

LABEL & IDENTIFY



FIX & SECURE



TERMINATE & CONNECT



INSULATE & PROTECT



Delivering cable accessories worldwide

About us

- A family owned business that was established in 1985 and has been serving the industry for over 30 years.
- Committed to providing the highest levels of customer service in the supply of cable and wire accessories.
- Large stock holdings, extensive product knowledge and with the ability to pack, ship and deliver globally.
- Close relationships with industry leading brand names allowing us to supply market leading products.
- Serving customers from two global locations with offices and personnel based in the UK and UAE.
- Our core value has stood for 30 years. The number one priority in our business is the customer.

LABEL & IDENTIFY

expressMARK is a proven product range, backed by extensive technical data and test results that leave you in no doubt that these products will be suitable for your application. The extensive range incorporates cable and wire marking systems, stainless steel identification, labels, push-on manual markers and engraved labels.

FIX & SECURE

expressFIX cable ties and accessories provide a broad range of styles, sizes, materials and colours to meet your needs. Manufactured to extremely high standards and levels of tolerance, from only premium grade raw materials, ensuring consistent levels of performance.

TERMINATE & CONNECT

expressTERM is a well recognised range of cable termination solutions. Specified across many electrical installation projects from offshore oil and gas platforms to wind farm substations as well as being widely used by many leading panel builders and electrical contractors. Competitively priced to meet our customers demands.

INSULATE & PROTECT

expressPRO delivers a range of insulation and protection products including flexible conduit, spiral binding, heat shrink and PVC sleeving. The products are suitable for use across many industry sectors including construction, electrical contracting, marine, mass-transit, renewable energy, harness and panel building, and oil & gas sector.

About our brands

Our own brand product lines include **expressMARK**, **expressTERM**, **expressFIX** and **expressPRO** and have been developed after years of feedback. Customers expressed a desire for a range of quality products at a competitive price point available from one single provider.

In response we developed four products lines that offer solutions in identification, termination, fixing and protection. These have fast become industry recognised and can be found across all sectors from local electrical contractors through to large scale international projects.

expressMARK


expressTERM


expressFIX


expressPRO


Ordering options

Online All products featured in this catalogue are available to purchase online. www.expresselectrical.co.uk

Call or email Contact a member of our friendly and knowledgeable sales team at one of our office locations.

UK office

Express Electrical & Engineering Supplies Ltd
37 Cable Depot Road
Riverside Industrial Estate
Clydebank, UK
G81 1UY

Tel: +44 (0)141 941 3689
sales@expresselectrical.co.uk

UAE office

Express Electrical & Engineering Supplies L.L.C
Unit 4 Rajneesh Traders Building
Dubai Investment Park
Dubai, U.A.E.
PO Box 473508

Tel: +971 (0)4 887 5570
info@expresselectrical.ae

Shipping options

UK & Ireland

Regional area

- Mainland UK (excl. Scottish Highlands)
- Scottish Highlands
- Scottish Islands, Jersey, Guernsey & Isle of Man
- Northern Ireland
- Republic of Ireland

Delivery Service

- DPD Next Day
- DPD 2 Day
- DPD 2 Day
- DPD 2 Day
- DPD 2 Day

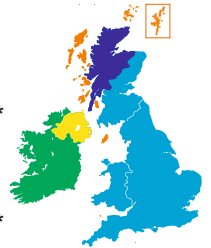
Cost

- £6.50*
- £12.50
- £25.00
- £12.50*
- £25.00

FREE on orders over £50*
FREE on orders over £100*
FREE on orders over £200

FREE on orders over £100*
FREE on orders over £200

(*Applies to orders placed online)



European mainland

Countries

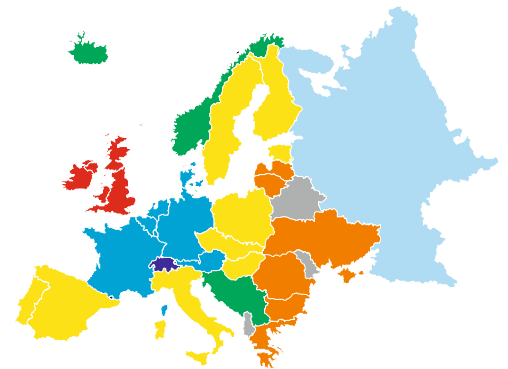
- Austria, Belgium, Denmark, France, Germany, Luxembourg, Netherlands
- Croatia, Czech Rep., Estonia, Finland, Hungary, Italy, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden
- Bulgaria, Greece, Latvia, Lithuania, Romania, Ukraine
- Switzerland
- Bosnia, Iceland, Norway, Serbia
- Russian Federation

Delivery Service

- DPD Classic 2-3 Day
- DPD Classic 4-6 Day
- DPD Classic 6-9 Day
- DPD Classic 3 Day
- DPD Classic 5-7 Day
- DPD Classic 8 Day

Cost

- £25.00
- £35.00
- £45.00
- £50.00
- £75.00
- £80.00



International deliveries

We can arrange international shipping along with any all relevant paperwork. If preferred we can pack all items ordered and you can arrange collection using your own courier account. Call us to discuss these options.

Customer collection

If you would prefer to collect your order then simply select customer collection at the online check-out.

Payment options

Online transactions

For your security and peace of mind we have partnered with Sage Pay for all our online transactions. Sage Pay is a trusted market leader for online payments.

Trade account

Apply for a trade account to access enhanced online features such as trade pricing, stock visibility and place orders direct to your account via the website.



ISO certification

We have been assessed and registered by NQA to ISO 9001:2015 under certificate number 21372. A copy of this certificate can be found online under "Document Downloads".



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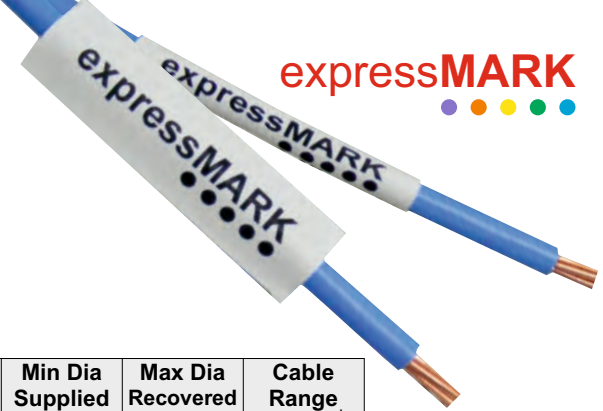
label and identify with
expressMARK



LABEL & IDENTIFY

ETM-M2 Mil-spec heat shrinkable wire markers

expressMARK ETM-M2 sleeves are designed to meet the wire and cable marking needs of customers with high performance requirements. The marks are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents and military fuels & oils. Suitable for aerospace, military and defence specified applications.



expressMARK

Ordering information

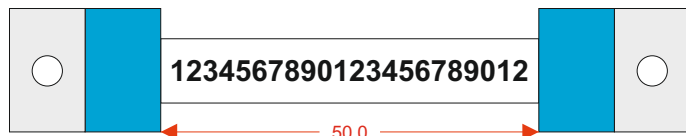
Part Number (WHITE)	Part Number (YELLOW)	Pack Size	Sleeve Size (mm)	Sleeve Length (mm)	Min Dia Supplied (mm)	Max Dia Recovered (mm)	Cable Range (mm ²)*
ETM-9-024050-B-M2	ETM-4-024050-B-M2	1000pcs	2.4	50	2.79	0.79	<0.5
ETM-9-032050-B-M2	ETM-4-032050-B-M2	1000pcs	3.2	50	3.64	1.0	0.5 to 1
ETM-9-048050-B-M2	ETM-4-048050-B-M2	1000pcs	4.8	50	5.26	1.6	1 to 4
ETM-9-064050-B-M2	ETM-4-064050-B-M2	1000pcs	6.4	50	6.92	2.4	4 to 6
ETM-9-095050-B-M2	ETM-4-095050-B-M2	1000pcs	9.5	50	10.2	3.2	6 to 16
ETM-9-127050-B-M2	ETM-4-127050-B-M2	1000pcs	12.7	50	13.5	4.75	16 to 35
ETM-9-190050-B-M2	ETM-4-190050-B-M2	1000pcs	19.0	50	20.1	6.4	35 to 120
ETM-9-254050-A-M2	ETM-4-254050-A-M2	250pcs	25.4	50	26.7	8.47	120 to 185
ETM-9-381050-A-M2	ETM-4-381050-A-M2	250pcs	38.1	50	39.8	12.9	185 to 400

(*based upon customer usage for BS6231 cable)

Sleeve length options (change part number above with relevant length)

ETM-X-XXX 050 -X-M2	1 x 50.0mm sleeves per 50mm strip
ETM-X-XXX 025 -X-M2	2 x 25.0mm sleeves per 50mm strip
ETM-X-XXX 017 -X-M2	3 x 16.6mm sleeves per 50mm strip
ETM-X-XXX 012 -X-M2	4 x 12.5mm sleeves per 50mm strip

50.0mm sleeve option (example: 11 point Arial with 22 digits)



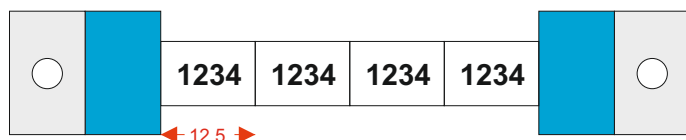
25.0mm sleeve option (example: 11 point Arial with 10 digits)



16.6mm sleeve option (example: 11 point Arial with 6 digits)

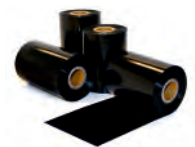


12.5mm sleeve option (example: 11 point Arial with 4 digits)



Colour options (change part number above with relevant colour)

ETM-0-XXXXXX-X-M2	BLACK
ETM-2-XXXXXX-X-M2	RED
ETM-3-XXXXXX-X-M2	ORANGE
ETM-4-XXXXXX-X-M2	YELLOW
ETM-5-XXXXXX-X-M2	GREEN
ETM-6-XXXXXX-X-M2	BLUE
ETM-7-XXXXXX-X-M2	VIOLET
ETM-8-XXXXXX-X-M2	GREY
ETM-9-XXXXXX-X-M2	WHITE



Printer Ribbon Part Numbers

TMS-RJS-RIBBON-4RPSCE	TE Standard black ribbon
1966-RIBBON	TE High performance black ribbon
EMR-0-RIBBON-A	EM High performance black ribbon
EMR-9-RIBBON-A	EM High performance white ribbon

Ribbons are compatible with the following printer models : T200-IDENT, EOS1, EOS2, TE3112, TE3124, T6112DS, T3212 and T3224.

Printer External Reel Holders

PRINTER-UNI-REEL-M

expressMARK external reel holder. Designed to hold and feed large spools of markers to the printer.



UNIVERSAL-REEL-HOLDER

T.E. external reel holder. Designed to hold and feed larger spools of markers supplied on plastic drums.



Inner core design

Sized to the same width as the carrier allowing markers to be loaded directly within the printer media guides.



Write-on side carrier

You can hand write information relating to the printed markers directly on the side carrier. Also shows part number and QA code.



Perforated edges

Remove markers without the need to remove the coloured side tapes. This leads to less mess and a faster install time.

ETM-M2 Mil-spec heat shrinkable wire markers

The ETM-M2 printable heat shrink tubing is manufactured from flame retardant, self-extinguishing, flexible polyolefin tubing optimised for thermal transfer printing. The product is UL 224 VW-1 recognised, CSA certified and complies to AMS-DTL-23053/5 Class 1&3.

Physical

Properties	Test Method	Typical Value
Tensile strength	ASTM D 638	≥14 N/mm ²
Elongation at break	ASTM D 638	≥400%
Longitudinal change	SAE-AMS-DTL-23053	0% - -2%
Specific gravity	ASTM D 792	1.34g/cm ³
Secant modulus	ASTM D 882	65 Mpa

Electrical

Properties	Test Method	Typical Value
Dielectric strength	UL 224	15 kV/mm
Volume resistivity	ASTM D 876	3.1 x 10 ¹⁴ Ω cm
Voltage rating	UL 224	600V
Die-electric voltage (2.5kV x 60s)	UL 224	Pass. No breakdown.

Chemical

Properties	Test Method	Typical Value
Fungus resistance	ASTM G 21	Pass. No growth.
Fluid resistance (after 24hrs at 23°C)	SAE-AMS-DTL-23053	7.25 - 14 MPa

Thermal

Properties	Test Method	Typical Value
Heat shock (4hrs at 250°C)	SAE-AMS-DTL-23053	Pass.
Elongation heat ageing (4hrs 158°C)	SAE-AMS-DTL-23053	≥400%
Copper corrosion (168hrs at 158°C)	SAE-AMS-DTL-23053	Pass
Stability against copper (168hrs at 158°C)	SAE-AMS-DTL-23053	Pass
Low temp flexibility (4hrs at -55°C)	SAE-AMS-DTL-23053	No cracking
Flammability	UL 224	VW-1 pass

Pre-printed Markers Service

You need ETM markers but don't have a printer on site? No problem, we have the answer. Simply email us your data and let us print your markers and dispatch within 24 hours to site. Available to purchase online or contact a member of our team to discuss your requirements. More details on our pre-print services can be found on page 22.



email data



print & pack



deliver on time

Technical Data



Standard Colours

Yellow and white.

Other colours upon request.

Material

Radiation cross linked polyolefin.
Shrink ratio 3:1

Operating temperature

-40°C up to +135°C.

Minimum shrink temperature

+85°C.

Specifications

Mark permanence

SAE AS81531:1998, point 4.6.2.

Chemical and solvent resistance

MIL-STD-202G method 215J.

Standard

UL 224 125°C 600V VW-1
(recognised file E203950)

CSA 125°C 600V Certified
(certified file 220127)

SAE-AMS-DTL-23053/5 Class 1&3

Storage

Store in original packaging.
Recommended storage environment is +10°C to +25°C and 45-55% relative humidity.

Printing method

Thermal transfer

Packaging

Supplied on printer ready reels.

Inner cores are sized to allow loading inside most printers.

Edge perforations as standard to allow easy removal of markers.



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info@expresselectrical.ae

ETZ-M2 Zero halogen heat shrinkable wire markers

expressMARK

expressMARK ETZ sleeves are ideal for applications where limited fire hazard characteristics are critical. The zero halogen, low smoke and low toxic fume emissions make this product ideal for use in enclosed spaces such as mass transit, marine and industrial installations. Marks are permanent immediately and remain legible when exposed to abrasion, aggressive cleaning solvents.

Ordering information

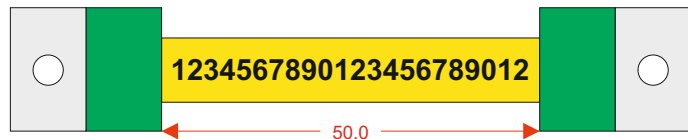
Part Number (WHITE)	Part Number (YELLOW)	Pack Size	Sleeve Size (mm)	Sleeve Length (mm)	Min Dia Supplied (mm)	Max Dia Recovered (mm)	Cable Range (mm ²)*
ETZ-9-024050-B-M2	ETZ-4-024050-B-M2	1000pcs	2.4	50	2.5	1.2	<0.5
ETZ-9-032050-B-M2	ETZ-4-032050-B-M2	1000pcs	3.2	50	3.6	1.6	0.5 to 1
ETZ-9-048050-B-M2	ETZ-4-048050-B-M2	1000pcs	4.8	50	5.2	2.4	1 to 4
ETZ-9-064050-B-M2	ETZ-4-064050-B-M2	1000pcs	6.4	50	6.7	3.2	4 to 6
ETZ-9-095050-B-M2	ETZ-4-095050-B-M2	1000pcs	9.5	50	10.0	4.8	6 to 16
ETZ-9-127050-B-M2	ETZ-4-127050-B-M2	1000pcs	12.7	50	13.6	6.4	16 to 35
ETZ-9-190050-B-M2	ETZ-4-190050-B-M2	1000pcs	19.0	50	20.4	9.5	35 to 120
ETZ-9-254050-A-M2	ETZ-4-254050-A-M2	250pcs	25.4	50	27.0	12.7	120 to 185
ETZ-9-381050-A-M2	ETZ-4-381050-A-M2	250pcs	38.1	50	40.0	19.1	185 to 400

(*based upon customer usage for BS6231 cable)

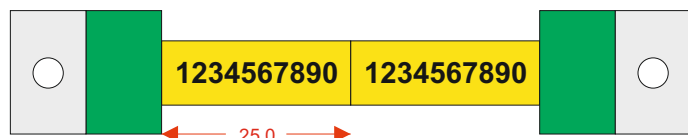
Sleeve length options (change part number above with relevant length)

ETZ-X-XXX 050 -X-M2	1 x 50.0mm sleeves per 50mm strip
ETZ-X-XXX 025 -X-M2	2 x 25.0mm sleeves per 50mm strip
ETZ-X-XXX 017 -X-M2	3 x 16.6mm sleeves per 50mm strip
ETZ-X-XXX 012 -X-M2	4 x 12.5mm sleeves per 50mm strip

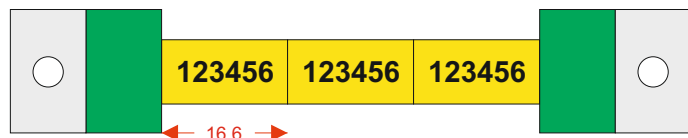
50.0mm sleeve option (example: 11 point Arial with 22 digits)



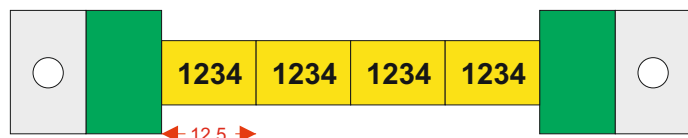
25.0mm sleeve option (example: 11 point Arial with 10 digits)



16.6mm sleeve option (example: 11 point Arial with 6 digits)



12.5mm sleeve option (example: 11 point Arial with 4 digits)



Inner core design
Sized to the same width as the carrier allowing markers to be easily loaded between the printer media guides.



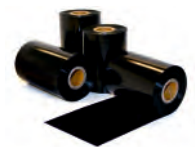
Packaging
Supplied on reels in clearly labelled packaging, and protected within a clear bag to ensure the print surface is dust free.



Perforated edges
Remove markers without the need to remove the coloured side tapes. This leads to less mess and a faster install time.

Colour options (change part number above with relevant colour)

ETZ- 0-XXXXXX-X-M2	BLACK
ETZ- 2-XXXXXX-X-M2	RED
ETZ- 3-XXXXXX-X-M2	ORANGE
ETZ- 4-XXXXXX-X-M2	YELLOW
ETZ- 5-XXXXXX-X-M2	GREEN
ETZ- 6-XXXXXX-X-M2	BLUE
ETZ- 9-XXXXXX-X-M2	WHITE



Printer Ribbon Part Numbers

1966-RIBBON	TE High performance black ribbon
EMR-0-RIBBON-A	EM High performance black ribbon

Ribbons are compatible with the following printer models :
T200-IDENT, EOS1, EOS2, TE3112, TE3124, T6112DS, T3212 and T3224.

Printer External Reel Holders

PRINTER-UNI-REEL-M
expressMARK external reel holder. Designed to hold and feed large spools of markers to the printer.



UNIVERSAL-REEL-HOLDER
T.E. external reel holder. Designed to hold and feed larger spools of markers supplied on plastic drums.



ETZ-M2 Zero halogen heat shrinkable wire markers

The ETZ-M2 printable heat shrink tubing is manufactured from halogen free, flame retardant, heat shrinkable polyolefin tubing optimised for thermal printing. The compound of the tubing excludes halogens and offers excellent fire safety characteristics combined with minimal smoke emission.

Physical

Properties	Test Method	Typical Value
Tensile strength	ASTM D 638	13 N/mm ²
Elongation at break	ASTM D 638	200%
Longitudinal change	SAE-AMS-DTL-23053	≤+5% , ≤-10%
Specific gravity	ASTM D 792	1.4g/cm ³
Water absorption	ASTM D 570	≤15%

Electrical

Properties	Test Method	Typical Value
Dielectric strength	ASTM D 2671	20 kV/mm ²
Volume resistivity	ASTM D 257	10 ¹⁴ Ω cm

Chemical

Properties	Test Method	Typical Value
Fungus resistance	ASTM-DTL-7444	Inert (no growth)
Fluid resistance (24hrs immersion at 23°C)	SAE-AMS-DTL-23053	Good
Copper corrosion	ASTM D 2671B	No corrosion
Oxygen index	ASTM D 2863	36%

Thermal

Properties	Test Method	Typical Value
Heat shock (4hrs at 175°C)	ASTM D 2671	Pass.(no dripping, cracking or flowing)
Heat ageing (168hrs at 150°C)	ASTM D 638	Elongation 100%
Low temperature flexibility (-30°C)	ASTM D 2671C	No cracking
Flammability	ASTM D 635	Pass (flame retardant)

Compliance on fire behaviour

Standard	Flame propagation	Toxicity	Smoke density	Low oxygen index
BS 6853	ISO 4589-2 (ANNEX A)	BS 6853 Ap B1 / NF X 70-100	BS 6853 D8.3	ISO 4589-2
NF F-16 101	NF T 51-071 / NF C 20-455	NF X 70-100	NF X 10-702	ISO 4589-2
NFPA130	ASTM 162	BSS 7239	ASTM 662	
EN 45545-2	DIN 60332-1-2	NF X 70-100	EN 61034-2	ISO 4589-2
DIN 5510-2	DIN 54837	DIN ISO 5659	DIN ISO 5659	
UNI CEI 11170-3 cl LR4	ISO 11925-2 : 2010	NF X 70-100	NF X 10-702	

Pre-printed Markers Service

You need ETZ markers but don't have a printer on site? No problem, we have the answer. Simply email us your data and let us print your markers and dispatch within 24 hours to site. Available to purchase online or contact a member of our team to discuss your requirements. More details on our pre-print services can be found on page 22.



email
data



print &
pack



deliver
on time

Technical Data



Standard Colours

Yellow and white.

Other colours upon request.

Material

Radiation cross linked polyolefin.
Shrink ratio 2:1

Operating temperature

-30°C up to +105°C.

Minimum shrink temperature

+90°C.

Specifications

Mark permanence

SAE AS81531:1998, point 4.6.2.

Chemical and solvent resistance

MIL-STD-202F method 215J.

Standard

BS 6853 vehicle category 1a
EN 45545-2 (rail rolling stock)
LU 1-085:A3 (compliant)
NF F 16-101 (French rolling stock)
DIN 5510-2 (German rolling stock)
UNI CEI 11170-3 (Italian rolling stock)
NFPA130 (fixed guideway transit systems)
NFPA130 (to meet Boeing toxicity test)

Storage

Store in original packaging.
Recommended storage environment is +10°C to +25°C and 45-55% relative humidity.

Printing method

Thermal transfer

Packaging

Supplied on printer ready reels.

Inner cores are sized to allow loading inside most printers.

Edge perforations as standard to allow easy removal of markers.

U.K. Office +44 (0)141 941 3689
sales@expresselectrical.co.uk

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info@expresselectrical.ae

ETC Tie-on cable markers (continuous format)

expressMARK ETC cable markers are designed to be the perfect solution for fast, permanent and cost effective marking of cable, conduit, pipes and valves. The die-cut cable tie slots make application of printed markers both quick and simple.

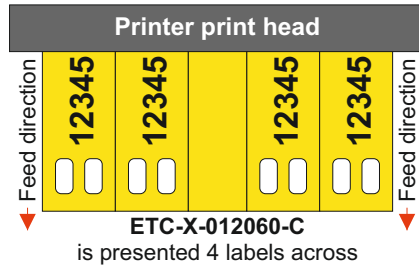
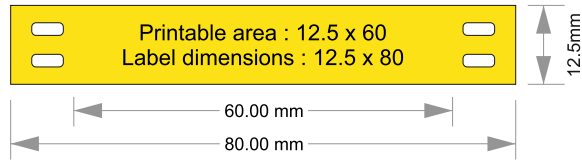


express**MARK**

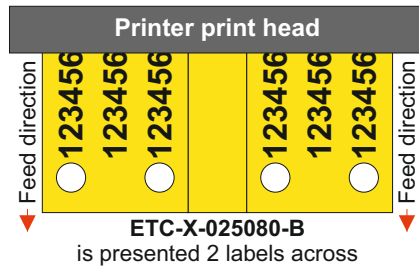
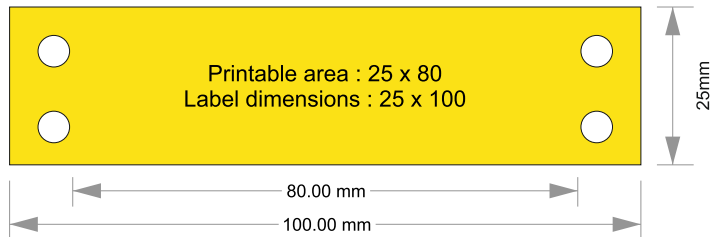


Ordering information

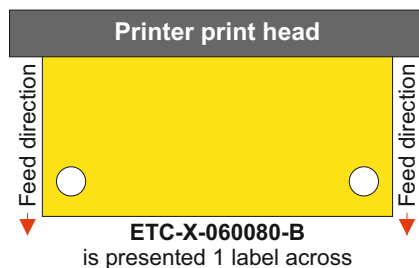
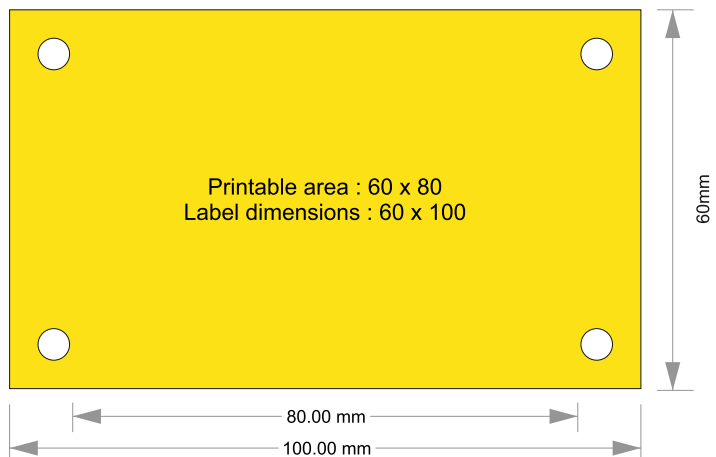
Part Number	Colour	Pack Size
ETC-4-012060-C	YELLOW	500pcs
ETC-9-012060-C	WHITE	500pcs
ETC-2-012060-C	RED	500pcs
ETC-5-012060-C	GREEN	500pcs
ETC-6-012060-C	BLUE	500pcs



Part Number	Colour	Pack Size
ETC-4-025080-B	YELLOW	500pcs
ETC-9-025080-B	WHITE	500pcs



Part Number	Colour	Pack Size
ETC-4-060080-B	YELLOW	250pcs



Printer Ribbon Part Numbers

1966-RIBBON	TE High performance black ribbon
EMR-0-RIBBON-A	EM High performance black ribbon
EMR-9-RIBBON-A	EM High performance white ribbon

Ribbons are compatible with the following printer models :
T200-IDENT, EOS1, EOS2, TE3112, TE3124, T3212 and T3224.



ETC Tie-on cable markers (continuous format)

The ETC continuous one-piece tie on cable markers are manufactured from Low Fire Hazard, UV stabilised, cross-linked polyolefin. The material is punched to produce tie on cable markers, complete with fixing holes at each end and perforated edges for easy removal of the finished printed markers.

Test results

Properties	Test Method	Typical Value
Tensile strength	ASTM D2671	7 Mpa minimum
Mould growth	BS EN 60068-2-10	Rating 2 maximum
Oxygen index	BS EN ISO 4589-1 1996	34 minimum
Smoke emission, A0	BS6853:1999 Annex D.8.3.	0.017 maximum
Toxic fume, R	NF X 70-100	<1
LUL toxic fume	1-085 A3 Fire safety	No halogens, Phosphorus, Sulphur or Nitrogen above trace level
Colour fastness	BS 2782 Pt5 Method 540B	No colour change
UV resistance - Tensile strength	>90% of original	Pass
UV resistance - Ultimate elongation	>40% of original	Pass
Print adherence dry rub (20 rubs 4Kg)	SAE AS 5942	Legible, pass
Heat ageing (175°C 168 hrs / 20 rubs 4Kg)	SAE AS 5942	Legible, pass
Heat shock (225°C 4 hrs / 20 rubs 4Kg)	SAE AS 5942	Legible, pass
Aircraft fuel (ISO 1817 Liquid B)	40°C, 24 hours, 25 wipes	Legible, pass
Hydraulic fluid (NATO H520)	50°C, 24 hours, 25 wipes	Legible, pass
Phosphate Ester (ISO 1817 fluid 103)	70°C, 24 hours, 25 wipes	Legible, pass
Silicon hydraulic fluid (NATO S1714)	50°C, 24 hours, 25 wipes	Legible, pass
De-icing fluid (Iso Propyl Alcohol)	40°C, 24 hours, 25 wipes	Legible, pass

Technical Data



Standard Colours

Yellow and white.

(also red, blue and green for size 012060)

Material

Radiation cross linked polyolefin.

Operating temperature

-40°C up to +105°C.

Specifications

Mark permanence

SAE AS81531:1998, point 4.6.2.

Chemical and solvent resistance

MIL-STD-202F method 215J.

Standard

BS 6853 vehicle category 1a
EN 45545-2 (rail rolling stock)
LU 1-085:A3 (compliant)
NF F 16-101 (French rolling stock)
SAE AS5942 3.4.1

Storage

Store in original packaging.
Recommended storage environment is +10°C to +25°C and 45-55% relative humidity.

Printing method

Thermal transfer

Packaging

Supplied on printer ready reels.

Inner cores are sized to allow loading inside most printers.

Edge perforations to allow easy separation of markers.

Pre-printed Markers Service

You need ETC markers but don't have a printer on site? No problem, we have the answer. Simply email us your data and let us print your markers and dispatch within 24 hours to site. Available to purchase online or contact a member of our team to discuss your requirements. More details on our pre-print services can be found on page 22.



email
data



print &
pack



deliver
on time

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ETC Tie-on cable markers (ladder format)

expressMARK ETC cable markers are designed for marking of cable, conduit, pipes and valves. The ladder style format presents markers in an organised fashion for ease of installation on site using the pre-cut cable tie slots.

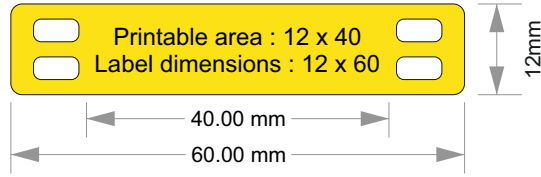


expressMARK

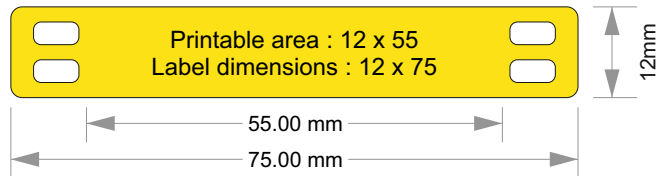


Ordering information

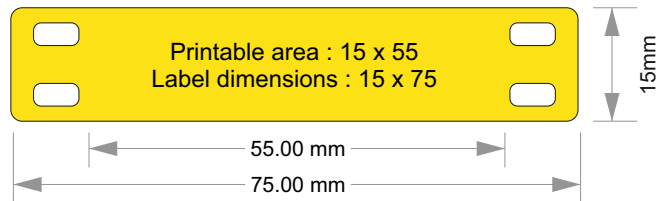
Part Number	Colour	Pack Size
ETC-4-012040-D	YELLOW	1000pcs
ETC-9-012040-D	WHITE	1000pcs
ETC-2-012040-D	RED	1000pcs
ETC-3-012040-D	ORANGE	1000pcs
ETC-5-012040-D	GREEN	1000pcs
ETC-6-012040-D	BLUE	1000pcs
ETC-0-012040-D	BLACK	1000pcs



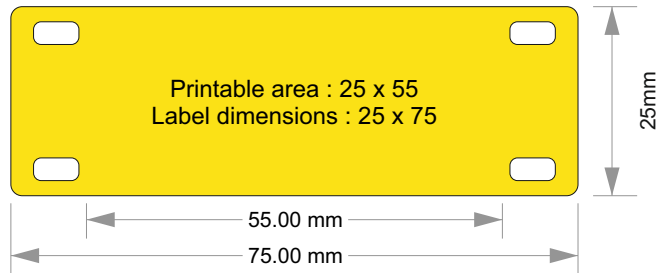
Part Number	Colour	Pack Size
ETC-4-012055-D	YELLOW	1000pcs
ETC-9-012055-D	WHITE	1000pcs
ETC-2-012055-D	RED	1000pcs
ETC-3-012055-D	ORANGE	1000pcs
ETC-5-012055-D	GREEN	1000pcs
ETC-6-012055-D	BLUE	1000pcs
ETC-0-012055-D	BLACK	1000pcs



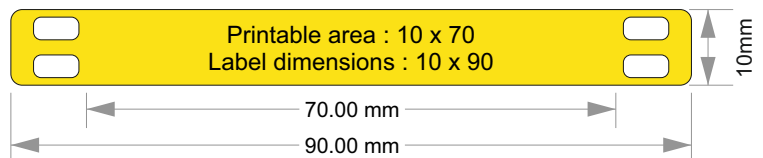
Part Number	Colour	Pack Size
ETC-4-015055-D	YELLOW	1000pcs
ETC-9-015055-D	WHITE	1000pcs
ETC-2-015055-D	RED	1000pcs
ETC-3-015055-D	ORANGE	1000pcs
ETC-5-015055-D	GREEN	1000pcs
ETC-6-015055-D	BLUE	1000pcs
ETC-0-015055-D	BLACK	1000pcs



Part Number	Colour	Pack Size
ETC-4-025055-C	YELLOW	500pcs
ETC-9-025055-C	WHITE	500pcs
ETC-2-025055-C	RED	500pcs
ETC-3-025055-C	ORANGE	500pcs
ETC-5-025055-C	GREEN	500pcs
ETC-6-025055-C	BLUE	500pcs
ETC-0-025055-C	BLACK	500pcs



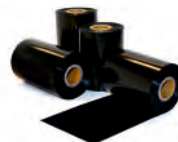
Part Number	Colour	Pack Size
ETC-4-010070-D	YELLOW	1000pcs
ETC-9-010070-D	WHITE	1000pcs
ETC-2-010070-D	RED	1000pcs
ETC-3-010070-D	ORANGE	1000pcs
ETC-5-010070-D	GREEN	1000pcs
ETC-6-010070-D	BLUE	1000pcs
ETC-0-010070-D	BLACK	1000pcs



Printer Ribbon Part Numbers

EMR-0-RIBBON-A	EM High performance black ribbon
EMR-9-RIBBON-A	EM High performance white ribbon

Ribbons are compatible with the following printer models : T200-IDENT, EOS1, EOS2, TE3112, TE3124, T3212 and T3224.



ETC Tie-on cable markers (ladder format)

The ETC ladder format cable markers are manufactured from halogen free, flame retardant thermoplastic polyether-polyurethane material. The base compound material fulfills the requirements of UL94-V0.

Test results

Properties	Test Method	Typical Value
Hardness	DIN 53505	58 Shore D
Density	DIN 53479	1.27g/cm ³
Tensile strength	DIN 53504	30 MPa
Elongation at break	DIN 53504	400%
Stress at 20% elongation	DIN 53504	13 Mpa
Stress at 100% elongation	DIN 53504	19 Mpa
Stress at 300% elongation	DIN 53504	33 Mpa
Tear strength	DIN 53515	110 N/mm
Abrasion loss	DIN 53516	30 mm ³
Compression set room temperature	DIN EN ISO 815	30%
Compression set at +70°C	DIN EN ISO 815	45%
Tensile strength *	DIN 53504	20 MPa
Elongation at break *	DIN 53504	400%
Charpy V-notch impact test at +23°C	DIN EN ISO 815	50 kj/m ²
Charpy V-notch impact test at -30°C	DIN EN ISO 815	3 kj/m ²

*(stored in water at 80°C for 42 days)

Weathering Performance

	Conditions	Result
UV lamp : UV340	Light 60° irradiation 0.76 W/m ² for a duration of 8 hours. Spray duration - 15 minutes. Condensation 50° for a duration of 3 hours 45 minutes.	No visible change
Xenon lamp : XENON340	Light 65° irradiation 0.50 W/m ² for a duration of 1 hours 42 minutes. Light and spray irradiation 0.60 W/m ² for a duration of 8 minutes.	No visible change
Notes	Accelerated weathering testing was conducted within a laboratory using UV wet/dry cycle weathering simulation equipment. Duration of the test was 500 hours which equates to 10 years exposure within a typical northern European environment.	

Pre-printed Markers Service

You need ETC markers but don't have a printer on site? No problem, we have the answer. Simply email us your data and let us print your markers and dispatch within 24 hours to site. Available to purchase online or contact a member of our team to discuss your requirements. More details on our pre-print services can be found on page 22.



email data



print & pack



deliver on time

Technical Data



Standard Colours

Yellow, white, red, orange, green, blue and black.

Material

Thermoplastic polyether-polyurethane

Operating temperature

-25°C up to +80°C.

Specifications

Mark permanence

SAE AS81531:1998, point 4.6.2.

Chemical and solvent resistance

MIL-STD-202F method 215J.

Storage

Store in original packaging. Recommended storage environment is +10°C to +25°C and 45-55% relative humidity.

Printing method

Thermal transfer

Packaging

Supplied on printer ready reels.

Inner cores are sized to allow loading inside most printers.

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ETI Insert wire markers

expressMARK ETI is a two-part system allowing the creation of permanently printed markers which are then inserted into clear carriers and subsequently mounted on to the wire or cable. The printed strips can be replaced post-termination when re-labelling is required and the clear carrier gives added protection from dust and grime. Carriers can also be applied during wire termination and markers inserted at a later date.



Product Properties

Markers: Polypropylene zero halogen film, 250 micron
 Carriers: PVC clear
 Resistant to water, humidity, alcohol, oil, grease and miscellaneous cleaning agents.
 Applications: Electrical panel builders, junction box, cabinet and post-termination labelling applications.

Temperature Ratings

Operating temp. range
 -40°C to +90°C (-40°F to +194°F)

Insert Marker Dimensions

30mm long x 4mm high
 18mm long x 4mm high



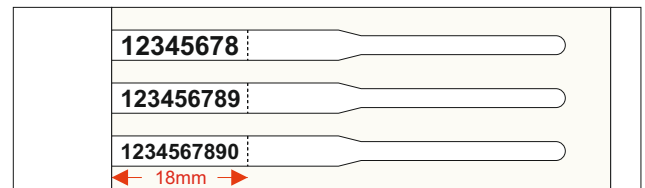
Ordering information

ETI Insert Markers

Part Number (18mm)	Colour	Pack Size
ETI-9-004018-D	WHITE	3000pcs
ETI-4-004018-D	YELLOW	3000pcs

18mm insert markers - font size examples are shown opposite →

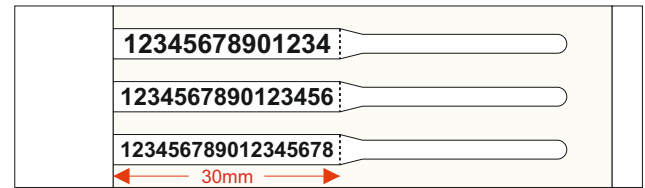
10 point Arial with up to 8 digits
 9 point Arial with up to 9 digits
 8 point Arial with up to 10 digits



Part Number (30mm)	Colour	Pack Size
ETI-9-004030-D	WHITE	3000pcs
ETI-4-004030-D	YELLOW	3000pcs

30mm insert markers - font size examples are shown opposite →

10 point Arial with up to 14 digits
 9 point Arial with up to 16 digits
 8 point Arial with up to 18 digits



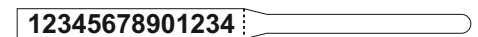
Clear Carriers

Part Number (18mm)	Colour	Pack Size	Carrier Cable Range
ETI-X-018001-D	CLEAR	3000pcs	0.5mm ² to 2.5mm ²
ETI-X-018002-C	CLEAR	2000pcs	2.5mm ² to 4mm ²
ETI-X-018003-B	CLEAR	1000pcs	4mm ² to 10mm ²
ETI-X-018004-A	CLEAR	500pcs	10mm ² to 25mm ²

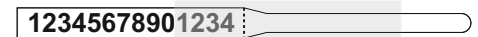
Part Number (30mm)	Colour	Pack Size	Carrier Cable Range
ETI-X-030001-B	CLEAR	1000pcs	0.5mm ² to 2.5mm ²
ETI-X-030002-B	CLEAR	1000pcs	2.5mm ² to 4mm ²
ETI-X-030003-B	CLEAR	1000pcs	4mm ² to 10mm ²
ETI-X-030004-A	CLEAR	500pcs	10mm ² to 25mm ²

(*based upon BS6231 Tri-Rated)

Step 1: Print the insert marker



Step 2: Pull through clear carrier

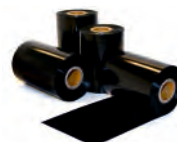


Step 3: Align and snap off guide tail



Printer Ribbon Part Numbers

TMS-RJS-RIBBON-4RPSCE	TE Standard black ribbon
1966-RIBBON	TE High performance black ribbon



Ribbons are compatible with the following printer models :
 T200-IDENT, EOS1, EOS2, TE3112, TE3124, T3212 and T3224.

i10-L Insert wire markers

expressMARK i10-L is comprised of a printed strip, which is inserted into a protective clear carrier. The clear carrier can be applied to wires and cables pre-termination to allow post termination insertion of the printed strip. The strips can also be replaced when re-labeling is required. The clear carrier protects the marker strips from dust and grime and are available in a number of sizes to cover a wide range of cable diameters.

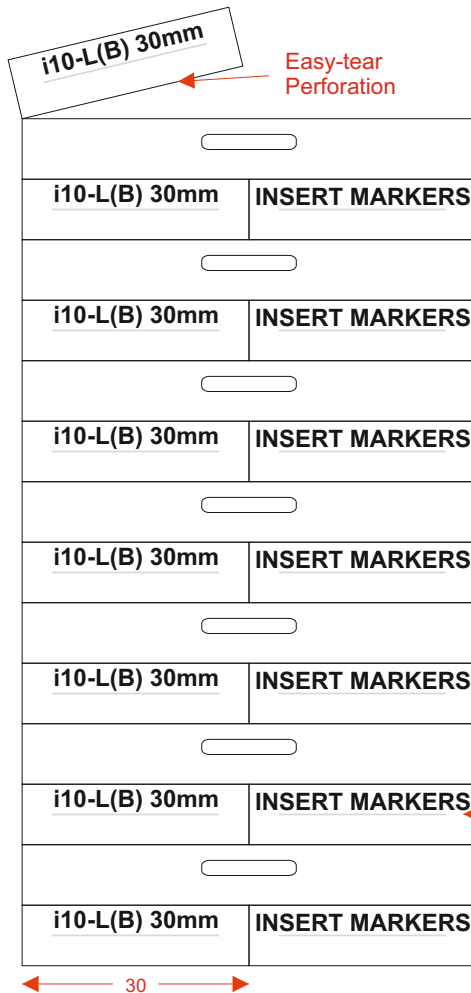
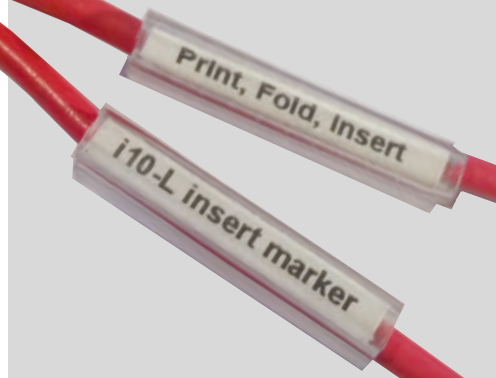
Ordering information

30mm Insert Markers

Part Number (30mm)	Colour	Pack Size	Reel Inner Core
i10-L(B)	WHITE	2500pcs	38mm

Clear Carriers

Part Number (30mm)	Colour	Pack Size	Carrier Cable Range
PT+020030A	CLEAR	200pcs	0.5mm ² to 0.75mm ²
PT+100030A	CLEAR	200pcs	0.75mm ² to 4mm ²
PT+200030A	CLEAR	100pcs	2.5mm ² to 16mm ²
PT+300030A	CLEAR	50pcs	16mm ² to 70mm ²



Step 1 : Print the marker

i10-L(B) 30mm

Step 2 : Fold along crease

i10-L(B) 30mm

Step 3 : Insert in clear carrier

i10-L(B) 30mm

Printer Ribbon Part Numbers

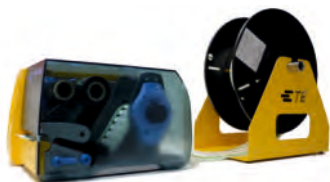
TMS-RJS-RIBBON-4RPSCE	TE Standard black ribbon
1966-RIBBON	TE High performance black ribbon



Ribbons are compatible with the following printer models :
T200-IDENT, EOS1, EOS2, TE3112, TE3124, T3212 and T3224.

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Printers

- A range of thermal transfer printers that provide outstanding print quality.
- Designed with the operator in mind making them user-friendly and easy to operate.
- Ribbon and media loading is made simple due to the ease of access.
- A small footprint yet rugged construction make for the perfect on-site marking system.

Plug & Play Systems

- We offer “plug and play” printer systems that include printer, laptop and pre-loaded software.
- Printer drivers, labelling software and product templates are pre-loaded before despatch.
- All ports and plugs are marked for ease of set up upon arrival at site.
- The perfect “standalone” marking system solution. Call a member of our team to discuss.



Ribbons

- Specially formulated ink ribbons that are specific to the media being printed.
- The inks meet the most rigorous of mark permanence industry standards.
- Correct ribbon and printer combination ensures excellent print quality at all times.
- Ribbons and printer compatibility are listed on each product page.

Printer Ribbon Part Numbers

TMS-RJS-RIBBON-4RPSCE	TE Standard black ribbon
1966-RIBBON	TE High performance black ribbon
EMR-0-RIBBON-A	EM High performance black ribbon
EMR-9-RIBBON-A	EM High performance white ribbon

Ribbons are compatible with the following printer models :
T200-IDENT, EOS1, EOS2, TE3112, TE3124, T6112DS, T3212 and T3224.



Software

- Labelling software is supplied pre-loaded with product templates.
- User friendly platform in “What you see is what you get” (WYSIWYG) format
- Options to enter data manually or import via a database saving you both time and money
- Fully compatible with Windows operating systems. Supplied with unlock dongle.

Software Part Number

WINTOTAL-X-DONGLE	WinTotal label software c/w dongle
--------------------------	------------------------------------

Please note the “X” in the part number above should be replaced with required version.
For example WINTOTAL-6-DONGLE



Support

- A dedicated in-the-field technical support team is available to all our customers
- FREE installation is offered with all newly purchased on-site printing systems
- FREE on-site training of your relevant personnel
- FREE lifetime technical support for any customer purchasing blank media to print

Online

- Remote assistance can be provided via platforms such as TeamViewer and Skype
- Visit our YouTube Channel www.youtube.com/user/expressMARKid
- Printer demonstrations and helpful “How to” guides available at our YouTube channel
- Our website contains demo videos. Simply select “the Videos” tab on the product page.



T200-IDENT



Key Features

- Light-weight
- Automatic calibration
- Simple ribbon and media loading
- Superior print position accuracy
- Cutter & perforator options available
- Touch screen

Suitable Products

- Heat shrinkable sleeves, cable markers, and labels
- Ideal for low to medium volume printing

Printable Product Dimensions

- Heat shrink sleeves from 2.4mm unshrunk diameter
- Print width max: 108 mm
- For labels: 10 to 110 mm wide
- For labels: 5 mm minimum height

Printer Dimensions

- 322x189x253mm (DxHxW)
- Weight: 4 kg

Printing Method

- 300dpi Thermal Transfer

Interfaces

- USB 2.0 (Full Speed)
- LAN 10/100 Base (Ethernet)

Ordering information

Part number
T200-IDENT-PRINTER Printer only
T200-IDENT-SWARE-PRINTER Printer & WinTotal software bundle

Printer spares

Part number
T200-IDENT-PRINHEAD Replacement 300dpi printhead
T200-IDENT-DR4-DRIVEROLLER Drive roller unit
T200-IDENT-PRINHEAD-HOLDER Print head hosing unit
T200-IDENT-TRANSPORT-MODULE Lower media guide unit
T200-IDENT-CUTTER Cutter attachment
T200-IDENT-PERFORATOR Perforator attachment

T3212 & T3224



Key Features

- 300dpi and 600dpi print head options
- Automatic calibration and easy to use
- Light weight with small foot print
- High accuracy printing
- Full colour touchscreen
- Supplied with Wi-Fi dongle

Suitable Products

- Heat shrinkable sleeves, cable markers, and labels
- Ideal for medium to high volume printing

Printable Product Dimensions

- Heat shrink sleeves from 2.4mm unshrunk diameter
- Print width max: 105.7mm
- For labels: 4 to 110 mm wide
- For labels: 4 mm minimum height

Printer Dimensions

- 460x288x252mm (DxHxW)
- Weight: 10 kg

Printing Method

- 300dpi / 600dpi Thermal Transfer

Interfaces

- USB 2.0 (Full Speed)
- LAN 10/100 Base (Ethernet)

Ordering information

Part number
T3212-PRINTER T3224-PRINTER Printer only
T3212-SWARE-PRINTER T3224-SWARE-PRINTER Printer and WinTotal software bundle

Printer spares

Part number
T3212-PRINHEAD Replacement 300dpi printhead
T3224-PRINHEAD Replacement 600dpi printhead
T3200-PRINT-ROLLER Drive roller unit
T3200-PRINT-SENSOR Sensor unit
T3200-CUTTER Cutter attachment
T3200-PERFORATOR Perforator attachment

T6112DS



Key Features

- Twin stacked print head assembly
- Simultaneous printing of front and back
- High level of print quality and image clarity
- Automatic calibration
- Simple ribbon and media loading
- High print position accuracy

Suitable Products

- Heat shrinkable marker sleeves
- Suitable for high volume printing

Printable Product Dimensions

- Heat shrink sleeves from 2.4mm unshrunk diameter
- Print width max: 105.6mm

Printer Dimensions

- 554x395x248mm (DxHxW)
- Weight: 21 kg

Printing Method

- 300dpi Thermal Transfer

Interfaces

- USB 2.0 (Full Speed)
- LAN 10/100 Base (Ethernet)

Ordering information

Part number
T6112DS-PRINTER Printer only

Printer spares

Part number
TTC-PRINTER-PRINHEAD-300 Replacement 300dpi printhead
TTC-PRINTER-ROLLER Drive roller unit
TTC-PRINTER-6112DS-MEDIASENSOR Sensor unit
TTC-PRINTER-PRINHEAD-LEVER Upper printhead open/close lever
TTC-6112DS-LOWER-LEVER Lower printhead open/close lever
TTC-PRINTER-PERFORATOR Perforator attachment

Additional spare parts for all printers can be found online or contact us for advice

K-TYPE Pre-printed cable markers

K-Type markers are designed to offer flexibility when it comes to wire and cable identification. Used to identify wire bundles, cable, pipes and conduit, the oval shaped profile has been designed to allow markers to be easily slipped onto a carrier strip and attached using cable ties. K65 markers are ideal for post termination applications or where retrofitting is required.

One standard size of marker, with PVC carrier strips that can hold up to 18 characters. Standard colours are yellow or white with black legends. Colour coded option available.

Features and benefits

- K-Type markers are a cost effective solution for many commercial wire identification applications
- Self-extinguishing
- Resistant to key industrial fluids, including those used in mass transit, aviation and military
- Versatile marking system for cables, cable bundles and conduit
- Elliptical marker profile allows easy fitting to carrier strips



K-Type Markers

Ordering information

Part Number (WHITE)	Part Number (YELLOW)	Part Number (COLOURS)	Pack Size	Dimensions	Cable Range
13619.(legend)	13614.(legend)	13614(colour).(legend)	500pcs	10x6mm	4 to 10mm ²

(* directly on to BS6231 Tri-Rated)

K-Type Carrier Strips

Ordering information

Part Number	Number of characters	Pack Size	Dimensions (HxW)	Fixing Holes (HxW)
1132000	For up to 7 characters	500pcs	9mm x 66mm	2mm x 8mm
1131000	For up to 12 characters	500pcs	9mm x 97mm	2mm x 8mm
1130000	For up to 18 characters	250pcs	9mm x 134mm	2mm x 8mm



K-TYPE Pre-printed cable markers - ordering information

Marker Printed Character	Part Number Black/Yellow	Part Number Black/White	Part Number Colour Coded	Description Quantity of marker reels per pack
A - Z 0 - 9	13614.KIT1	13619.KIT1		36 reels - 1 reel of each A to Z & 0 to 9
0 - 9	13614.KIT2	13619.KIT2		10 reels - 1 reel of each 0 to 9
A - Z	13614.KIT3	13619.KIT3	1361C.C.KIT	26 reels - 1 reel of each A to Z
A - Z 0 - 9 + - / ±	13614.KIT4	13619.KIT4		40 reels - 1 reel of each A to Z 0 to 9 + - / ±
A - Z 0 - 9 + - / BL	13614.KIT5	13619.KIT5		100pcs of A to Z 0 to 9 + - / blank c/w carry case
A - Z 0 - 9 + - / ±	13614.KIT6	13619.KIT6		100pcs of A to Z 0 to 9 + - / ± c/w carry case

0	13614.0	13619.0	13610.0	1 reel marked with 0
1	13614.1	13619.1	13611.1	1 reel marked with 1
2	13614.2	13619.2	13612.2	1 reel marked with 2
3	13614.3	13619.3	13613.3	1 reel marked with 3
4	13614.4	13619.4	13614.4	1 reel marked with 4
5	13614.5	13619.5	13615.5	1 reel marked with 5
6	13614.6	13619.6	13616.6	1 reel marked with 6
7	13614.7	13619.7	13617.7	1 reel marked with 7
8	13614.8	13619.8	13618.8	1 reel marked with 8
9	13614.9	13619.9	13619.9	1 reel marked with 9

A	13614.A	13619.A
B	13614.B	13619.B
C	13614.C	13619.C
D	13614.D	13619.D
E	13614.E	13619.E
F	13614.F	13619.F
G	13614.G	13619.G
H	13614.H	13619.H
I	13614.I	13619.I
J	13614.J	13619.J
K	13614.K	13619.K
L	13614.L	13619.L
M	13614.M	13619.M
N	13614.N	13619.N
O	13614.O	13619.O
P	13614.P	13619.P
Q	13614.Q	13619.Q
R	13614.R	13619.R
S	13614.S	13619.S
T	13614.T	13619.T
U	13614.U	13619.U
V	13614.V	13619.V
W	13614.W	13619.W
X	13614.X	13619.X
Y	13614.Y	13619.Y
Z	13614.Z	13619.Z

1 reel marked with A
1 reel marked with B
1 reel marked with C
1 reel marked with D
1 reel marked with E
1 reel marked with F
1 reel marked with G
1 reel marked with H
1 reel marked with I
1 reel marked with J
1 reel marked with K
1 reel marked with L
1 reel marked with M
1 reel marked with N
1 reel marked with O
1 reel marked with P
1 reel marked with Q
1 reel marked with R
1 reel marked with S
1 reel marked with T
1 reel marked with U
1 reel marked with V
1 reel marked with W
1 reel marked with X
1 reel marked with Y
1 reel marked with Z

+	13614.+	13619.+
-	13614.-	13619.-
/	13614./	13619./
.	13614.DOT	13619.DOT
±	13614.EA	13619.EA
~	13614.PH	13619.PH
	13614.BL	13619.BL

1 reel marked with PLUS SIGN
1 reel marked with MINUS / DASH SIGN
1 reel marked with FORWARD SLASH
1 reel marked with DOT
1 reel marked with EARTH SYMBOL
1 reel marked with PHASE SYMBOL
1 reel marked with BLANK (no mark)

Technical Data



Standard Colours

Black Legend on Yellow Body

Black Legend on White Body

International Colour Coded Numbers

Material

PVC

Operating temperature

-45°C up to +70°C.

Specifications

BS 6746C: 1993

IEC 60304

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Z-TYPE Pre-printed wire markers

Z-Type markers are individual push-on markers used to identify wires and small cables permanently. The markers are manufactured using PVC and designed with an expanding profile, enabling each marker to accommodate a wide range of wire and cable sizes.

Z-Type markers are a simple, cost effective solution for many commercial wire identification applications,

The most popular colour option is white marker body with black marking and available as loose piece in boxes or on reels. Can also be supplied with a yellow marker body with black marking.

Features and benefits

- Z-Type markers are a cost effective solution for many commercial wire identification applications
- Self-extinguishing
- Resistant to key industrial fluids, including those used in mass transit, aviation and military
- 9 sizes available covering wire diameters from 1.5mm to 12.7mm
- Applicator wands available for easy marker installation

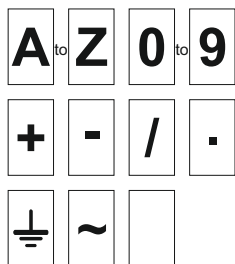


Z-Type Markers - straight cut in boxes

Ordering information - (the full range of part numbers are listed on the page opposite)

Part Number (WHITE)	Part Number (COLOURS)	Size	Pack Size	For Cable Dia (mm)	For Cable Size (mm ²)	Applicator
058019.(legend)	05801(colour).(legend)	Z5	1000pcs	1.5 - 2.0	–	–
058119.(legend)	05811(colour).(legend)	Z7	1000pcs	2.0 - 3.2	1.0	1251
061519.(legend)	06151(colour).(legend)	Z9	1000pcs	2.5 - 4.0	1.5	1252
061619.(legend)	06161(colour).(legend)	Z11	1000pcs	2.9 - 4.7	2.5	1253
061719.(legend)	06171(colour).(legend)	Z13	1000pcs	3.4 - 5.7	4.0	1254
061819.(legend)	06181(colour).(legend)	Z15	1000pcs	3.8 - 6.3	6.0	1255
062019.(legend)	06201(colour).(legend)	Z18	500pcs	4.3 - 6.9	10.0	1256
062219.(legend)	06221(colour).(legend)	Z23	500pcs	5.5 - 8.9	16.0	–
062419.(legend)	06241(colour).(legend)	Z35	250pcs	7.9 - 12.7	25.0	–

(* BS6231 Tri-Rated)



Applicator wands



Z-Type Marker Kits

Z-Type markers are available in easy to order bundles. A time saving solution when ordering your marker requirements, as everything you need is ordered using one part number.

- **KIT1** - supplied with letters A to Z and numbers 0 to 9 along with 50 compartment carry case
- **KIT2** - supplied with numbers 0 to 9
- **KIT3** - supplied with letters A to Z
- **C.KIT** - supplied with colour coded numbers 0 to 9
- **CL55-50** - 50 compartment carry case only



Z-TYPE Pre-printed wire markers - ordering information

Printed Character	Z5 Part Number	Z7 Part Number	Z9 Part Number	Z11 Part Number	Z13 Part Number	Z15 Part Number	Z18 Part Number	Z23 Part Number	Z35 Part Number
A - Z 0 - 9	058019.KIT	058119.KIT	061519.KIT	061619.KIT	061719.KIT	061819.KIT	062019.KIT	062219.KIT	062419.KIT
0 - 9	058019.KIT2	058119.KIT2	061519.KIT2	061619.KIT2	061719.KIT2	061819.KIT2	062019.KIT2	062219.KIT2	062419.KIT2
A - Z	058019.KIT3	058119.KIT3	061519.KIT3	061619.KIT3	061719.KIT3	061819.KIT3	062019.KIT3	062219.KIT3	062419.KIT3
0	058019.0	058119.0	061519.0	061619.0	061719.0	061819.0	062019.0	062219.0	062419.0
1	058019.1	058119.1	061519.1	061619.1	061719.1	61819.1	062019.1	062219.1	062419.1
2	058019.2	058119.2	061519.2	061619.2	061719.2	61819.2	062019.2	062219.2	062419.2
3	058019.3	058119.3	061519.3	061619.3	061719.3	61819.3	062019.3	062219.3	062419.3
4	058019.4	058119.4	061519.4	061619.4	061719.4	61819.4	062019.4	062219.4	062419.4
5	058019.5	058119.5	061519.5	061619.5	061719.5	61819.5	062019.5	062219.5	062419.5
6	058019.6	058119.6	061519.6	061619.6	061719.6	61819.6	062019.6	062219.6	062419.6
7	058019.7	058119.7	061519.7	061619.7	061719.7	61819.7	062019.7	062219.7	062419.7
8	058019.8	058119.8	061519.8	061619.8	061719.8	61819.8	062019.8	062219.8	062419.8
9	058019.9	058119.9	061519.9	061619.9	061719.9	61819.9	062019.9	062219.9	062419.9
A	058019.A	058119.A	061519.A	061619.A	061719.A	061819.A	062019.A	062219.A	062419.A
B	058019.B	058119.B	061519.B	061619.B	061719.B	061819.B	062019.B	062219.B	062419.B
C	058019.C	058119.C	061519.C	061619.C	061719.C	061819.C	062019.C	062219.C	062419.C
D	058019.D	058119.D	061519.D	061619.D	061719.D	061819.D	062019.D	062219.D	062419.D
E	058019.E	058119.E	061519.E	061619.E	061719.E	061819.E	062019.E	062219.E	062419.E
F	058019.F	058119.F	061519.F	061619.F	061719.F	061819.F	062019.F	062219.F	062419.F
G	058019.G	058119.G	061519.G	061619.G	061719.G	061819.G	062019.G	062219.G	062419.G
H	058019.H	058119.H	061519.H	061619.H	061719.H	061819.H	062019.H	062219.H	062419.H
I	058019.I	058119.I	061519.I	061619.I	061719.I	061819.I	062019.I	062219.I	062419.I
J	058019.J	058119.J	061519.J	061619.J	061719.J	061819.J	062019.J	062219.J	062419.J
K	058019.K	058119.K	061519.K	061619.K	061719.K	061819.K	062019.K	062219.K	062419.K
L	058019.L	058119.L	061519.L	061619.L	061719.L	061819.L	062019.L	062219.L	062419.L
M	058019.M	058119.M	061519.M	061619.M	061719.M	061819.M	062019.M	062219.M	062419.M
N	058019.N	058119.N	061519.N	061619.N	061719.N	061819.N	062019.N	062219.N	062419.N
O	058019.O	058119.O	061519.O	061619.O	061719.O	061819.O	062019.O	062219.O	062419.O
P	058019.P	058119.P	061519.P	061619.P	061719.P	061819.P	062019.P	062219.P	062419.P
Q	058019.Q	058119.Q	061519.Q	061619.Q	061719.Q	061819.Q	062019.Q	062219.Q	062419.Q
R	058019.R	058119.R	061519.R	061619.R	061719.R	061819.R	062019.R	062219.R	062419.R
S	058019.S	058119.S	061519.S	061619.S	061719.S	061819.S	062019.S	062219.S	062419.S
T	058019.T	058119.T	061519.T	061619.T	061719.T	061819.T	062019.T	062219.T	062419.T
U	058019.U	058119.U	061519.U	061619.U	061719.U	061819.U	062019.U	062219.U	062419.U
V	058019.V	058119.V	061519.V	061619.V	061719.V	061819.V	062019.V	062219.V	062419.V
W	058019.W	058119.W	061519.W	061619.W	061719.W	061819.W	062019.W	062219.W	062419.W
X	058019.X	058119.X	061519.X	061619.X	061719.X	061819.X	062019.X	062219.X	062419.X
Y	058019.Y	058119.Y	061519.Y	061619.Y	061719.Y	061819.Y	062019.Y	062219.Y	062419.Y
Z	058019.Z	058119.Z	061519.Z	061619.Z	061719.Z	061819.Z	062019.Z	062219.Z	062419.Z
+	058019.+	058119.+	061519.+	061619.+	061719.+	061819.+	062019.+	062219.+	062419.+
-	058019.-	058119.-	061519.-	061619.-	061719.-	061819.-	062019.-	062219.-	062419.-
/	058019./	058119./	061519./	061619./	061719./	061819./	062019./	062219./	062419./
.	058019.DOT	058119.DOT	061519.DOT	061619.DOT	061719.DOT	061819.DOT	062019.DOT	062219.DOT	062419.DOT
⊥	058019.EA	058119.EA	061519.EA	061619.EA	061719.EA	061819.EA	062019.EA	062219.EA	062419.EA
~	058019.PH	058119.PH	061519.PH	061619.PH	061719.PH	061819.PH	062019.PH	062219.PH	062419.PH
BLANK	058019.BL	058119.BL	061519.BL	061619.BL	061719.BL	061819.BL	062019.BL	062219.BL	062419.BL
0	058010.0	058110	061510.0	061610.0	061710.0	061810.0	062010.0	062210.0	062410.0
1	058011.1	058111.1	061511.1	061611.1	061711.1	061811.1	062011.1	062211.1	062411.1
2	058012.2	058112.2	061512.2	061612.2	061712.2	061812.2	062012.2	062212.2	062412.2
3	058013.3	058113.3	061513.3	061613.3	061713.3	061813.3	062013.3	062213.3	062413.3
4	058014.4	058114.4	061514.4	061614.4	061714.4	061814.4	062014.4	062214.4	062414.4
5	058015.5	058115.5	061515.5	061615.5	061715.5	061815.5	062015.5	062215.5	062415.5
6	058016.6	058116.6	061516.6	061616.6	061716.6	061816.6	062016.6	062216.6	062416.6
7	058017.7	058117.7	061517.7	061617.7	061717.7	061817.7	062017.7	062217.7	062417.7
8	058018.8	058118.8	061518.8	061618.8	061718.8	061818.8	062018.8	062218.8	062418.8
9	058019.9	058119.9	061519.9	061619.9	061719.9	061819.9	062019.9	062219.9	062419.9
0 - 9	05801C.C.KIT	05811C.C.KIT	06151C.C.KIT	06161C.C.KIT	06171C.C.KIT	06181C.C.KIT	06201C.C.KIT	06221C.C.KIT	06241C.C.KIT

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Pre-print Service for cable and wire marking

For 30 years our pre-print service has provided labels and signage to customers. Our in-house team produce finished identification products, from simple individual markers to large complex kits, all delivered to you through a service, designed to meet your demands and ensure a prompt turnaround.

Data manipulation - send us your data and allow us to extract the relevant information for you. We can sort your data by set, batch, field area or simply in alpha-numerical order.

Material performance - with a huge range of materials at our disposal we are sure to have a solution to meet your specific requirement and environmental conditions.

Machining capabilities - from CNC laser cutting of raw material through to detailed finishing within our in-house machine shop gives us control of the complete process ensuring a high standard of finish.

Kitting and picking - finished product is catalogued to your instruction which leads to ease of pickability and improved productivity at site. A simple discussion with you now can lead to many man hours being saved at site.

Dispatched on time - with the ability to deliver worldwide, this service requires an efficient service driven team to ensure on time deliveries. A fast turnaround to meet customer delivery expectations with unbeatable customer service.

Pre-printed cable & wire markers



email us
your data



we print
& pack



delivered to
you on time

Pre-printed Heat Shrink Wire Markers

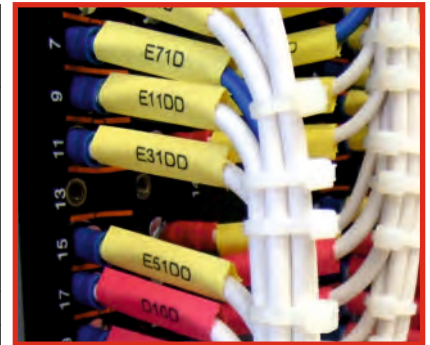
All heat shrink markers can be supplied pre-printed with your required data. Options including a choice of colours, font print styles, logo printing and no minimum order quantities, we have a solution for your wire marking requirements. The popular sizes and colours of ETM and ETZ markers are listed below, however other colours and lengths are available upon request.

Pre-printed ETM Mil-spec heat shrinkable wire markers

Ordering information - 50mm long sleeves

Part Number (WHITE)	Part Number (YELLOW)	Sleeve Diameter	Sleeve Length	Pack Size	Cable Range (mm ²)*
PP-ETM-9-024050	PP-ETM-4-024050	2.4	50mm	each	
PP-ETM-9-032050	PP-ETM-4-032050	3.2	50mm	each	0.50 to 1.00
PP-ETM-9-048050	PP-ETM-4-048050	4.8	50mm	each	1.00 to 4.00
PP-ETM-9-064050	PP-ETM-4-064050	6.4	50mm	each	4.00 to 6.00
PP-ETM-9-095050	PP-ETM-4-095050	9.5	50mm	each	6.00 to 16.00
PP-ETM-9-127050	PP-ETM-4-127050	12.7	50mm	each	16.00 to 35.00
PP-ETM-9-190050	PP-ETM-4-190050	19.0	50mm	each	35.00 to 120.00
PP-ETM-9-254050	PP-ETM-4-254050	25.4	50mm	each	120.00 to 185.00
PP-ETM-9-381050	PP-ETM-4-381050	38.1	50mm	each	185.00 to 400.00

(*based upon BS6231 cable)



Ordering information - 25mm long sleeves

Part Number (WHITE)	Part Number (YELLOW)	Sleeve Diameter	Sleeve Length	Pack Size	Cable Range (mm ²)*
PP-ETM-9-024025	PP-ETM-4-024025	2.4	25mm	each	
PP-ETM-9-032025	PP-ETM-4-032025	3.2	25mm	each	0.50 to 1.00
PP-ETM-9-048025	PP-ETM-4-048025	4.8	25mm	each	1.00 to 4.00
PP-ETM-9-064025	PP-ETM-4-064025	6.4	25mm	each	4.00 to 6.00
PP-ETM-9-095025	PP-ETM-4-095025	9.5	25mm	each	6.00 to 16.00
PP-ETM-9-127025	PP-ETM-4-127025	12.7	25mm	each	16.00 to 35.00
PP-ETM-9-190025	PP-ETM-4-190025	19.0	25mm	each	35.00 to 120.00
PP-ETM-9-254025	PP-ETM-4-254025	25.4	25mm	each	120.00 to 185.00
PP-ETM-9-381025	PP-ETM-4-381025	38.1	25mm	each	185.00 to 400.00

(*based upon BS6231 cable)



Pre-print Service for cable and wire marking

Pre-printed ETZ zero halogen heat shrinkable wire markers

Ordering information - 50mm long sleeves

Part Number (WHITE)	Part Number (YELLOW)	Sleeve Diameter	Sleeve Length	Pack Size	Cable Range (mm ²)*
PP-ETZ-9-024050	PP-ETZ-4-024050	2.4	50mm	each	
PP-ETZ-9-032050	PP-ETZ-4-032050	3.2	50mm	each	0.50 to 1.00
PP-ETZ-9-048050	PP-ETZ-4-048050	4.8	50mm	each	1.00 to 4.00
PP-ETZ-9-064050	PP-ETZ-4-064050	6.4	50mm	each	4.00 to 6.00
PP-ETZ-9-095050	PP-ETZ-4-095050	9.5	50mm	each	6.00 to 16.00
PP-ETZ-9-127050	PP-ETZ-4-127050	12.7	50mm	each	16.00 to 35.00
PP-ETZ-9-190050	PP-ETZ-4-190050	19.0	50mm	each	35.00 to 120.00
PP-ETZ-9-254050	PP-ETZ-4-254050	25.4	50mm	each	120.00 to 185.00
PP-ETZ-9-381050	PP-ETZ-4-381050	38.1	50mm	each	185.00 to 400.00

(*based upon BS6231 cable)



Ordering information - 25mm long sleeves

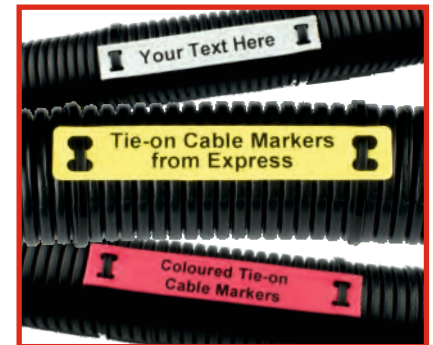
Part Number (WHITE)	Part Number (YELLOW)	Sleeve Diameter	Sleeve Length	Pack Size	Cable Range (mm ²)*
PP-ETZ-9-024025	PP-ETZ-4-024025	2.4	25mm	each	
PP-ETZ-9-032025	PP-ETZ-4-032025	3.2	25mm	each	0.50 to 1.00
PP-ETZ-9-048025	PP-ETZ-4-048025	4.8	25mm	each	1.00 to 4.00
PP-ETZ-9-064025	PP-ETZ-4-064025	6.4	25mm	each	4.00 to 6.00
PP-ETZ-9-095025	PP-ETZ-4-095025	9.5	25mm	each	6.00 to 16.00
PP-ETZ-9-127025	PP-ETZ-4-127025	12.7	25mm	each	16.00 to 35.00
PP-ETZ-9-190025	PP-ETZ-4-190025	19.0	25mm	each	35.00 to 120.00
PP-ETZ-9-254025	PP-ETZ-4-254025	25.4	25mm	each	120.00 to 185.00
PP-ETZ-9-381025	PP-ETZ-4-381025	38.1	25mm	each	185.00 to 400.00

(*based upon BS6231 cable)



Pre-printed Tie-on Cable Markers

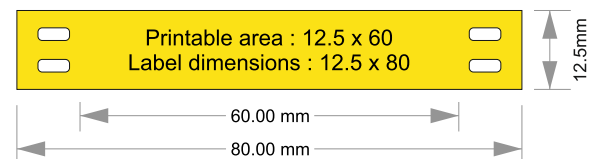
White, yellow, green, blue and red tie-on cable markers can be supplied pre-printed with your data. All ETC cable markers featured in this catalogue can be supplied pre-printed giving you access to a wide range of colour and size options, without the need to purchase dedicated desktop printers, software and ribbons.



Pre-printed ETC zero halogen tie-on cable markers

Ordering information - 12mm high x 60mm ling cable markers

Part Number	Colour	Dimensions	Pack Size
PP-ETC-4-012060	YELLOW	12 x 60mm	each
PP-ETC-9-012060	WHITE	12 x 60mm	each
PP-ETC-2-012060	RED	12 x 60mm	each
PP-ETC-5-012060	GREEN	12 x 60mm	each
PP-ETC-6-012060	BLUE	12 x 60mm	each



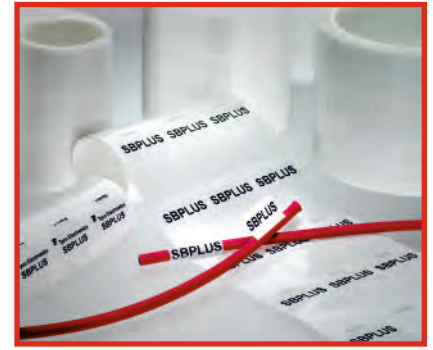
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info@expresselectrical.ae

Pre-print Service for terminal markers, labels and signage

Self-laminating Labels

- Widely used for post termination applications within networking installation
- Also used for rework within existing panels and electrical installations
- The clear “tail” wraps to overlap and provides protection for the printed text
- Text is “sealed” and protected from solvents, chemicals and the elements
- Email your required data and we shall pre-printed and despatch next day



Push Button, Switch and Panel Labels

- We can pre-print push button, rotary switch, fuse rack and panel labels
- Material options include semi-rigid, polyester and vinyls
- Colour options available for both material and printed text
- All labels can be supplied with self adhesive backing for ease of installation
- Got a specific requirement? Send us a drawing and let us provide options



Warning Signs and Labels

- Critical within all industry sectors to the safety of your onsite personnel
- Industry standard warning, flash and voltage signage all available
- Used on electrical panels, junction boxes, machinery and onsite equipment
- Our bespoke service can accommodate unique text, layout and size of labels
- The self adhesive vinyl material is suitable for indoor and outdoor applications



Health and Safety Signage

- Extensive range of health and safety signage
- All commonly used H&S signage can be provided
- Mandatory, Prohibition, Fire Exit, Warning, Smoking, CCTV and more
- Self adhesive vinyl, semi-rigid and Photo-luminiscent materials available
- Customer specific layouts can also be accommodated



Terminal Markers

- Terminal markers can be supplied pre-printed with your data
- A range of markers available to suit industry leading brands
- Including Weidmuller, Entrelec, Wago, Siemens, Legrand and Telemecanique
- Fast, efficient, hassle free service
- Simply email your data and let us do the rest.



Engraved Labels

Our engraved labels feature a classic non-glare, highly durable matte finish. UV stable and heat tolerant colours make these the engraved label material of choice for customers. The engraved labels offer a flexibility that is far superior to traditional traffolyte materials and this is why they have become an industry wide standard.

Common applications include :

Labels, plates, tags and markers

Valve and disc tags

Name plates, face plates and door signage

Junction box and control panel labels


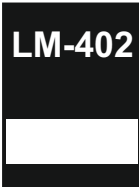

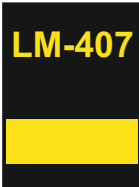



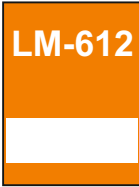








Cable tray node point labels

Facia and mimic plates

Switch and push button labels

One-off specials to large complex projects

Fast, efficient and competitively priced

 LM-204	 LM-402	 LM-704	 LM-407
WHITE/ BLACK	BLACK/ WHITE	YELLOW/ BLACK	BLACK/ YELLOW
 LM-206	 LM-602	 LM-607	 LM-612
WHITE/ RED	RED/ WHITE	RED/ YELLOW	ORANGE/ WHITE
 LM-205	 LM-512	 LM-517	 LM-552
WHITE/ SKY BLUE	SKY BLUE/ WHITE	SKY BLUE/ YELLOW	PATRIOT BLUE/ WHITE
 LM-209	 LM-932	 LM-312	 LM-582
WHITE/ GREEN	GREEN/ WHITE	SMOKE GREY/ WHITE	PURPLE/ WHITE

Above colour chart is for guidance only.

U.K. Office +44 (0)141 941 3689
sales@expresselectrical.co.uk

U.A.E. Office +971 (0)4 887 5570
info@expresselectrical.ae

Technical Data



Colour

Wide range of colours

Material

Micro-surfaced impact Acrylic

Thickness

1.5mm (standard)

3.0mm (optional)

Operating temperature

-40°C up to +90°C.

Features and Benefits

Flexible

True type fonts

Graphics & images

Single or multiple lines

Interior and exterior use

UV stable

Permits fine engraving

Adhesive backed option

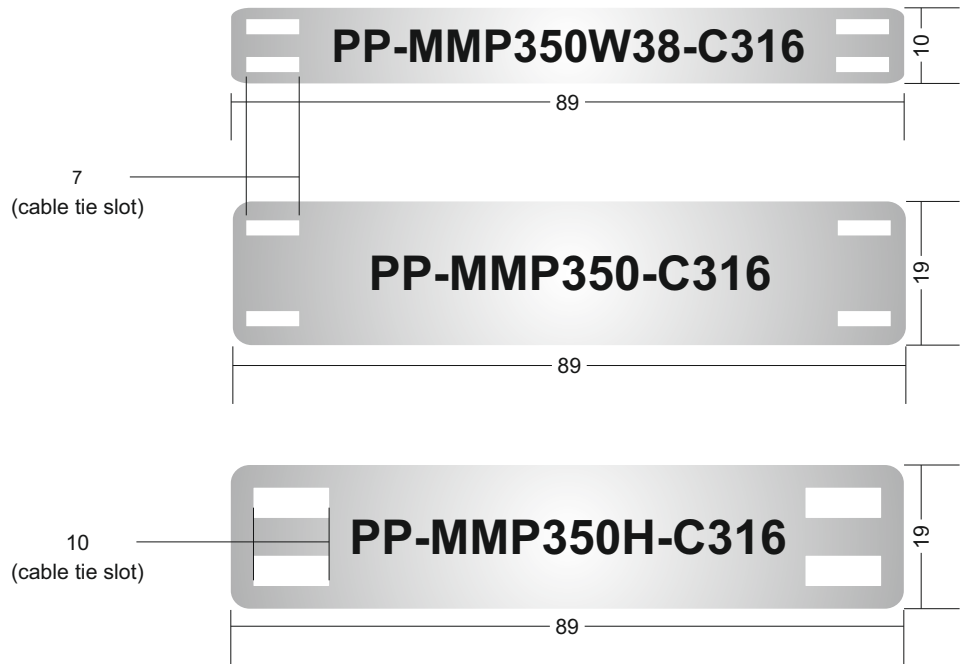
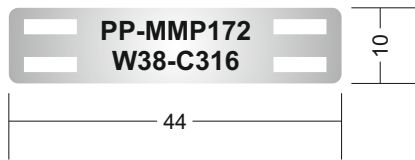
Can supply with fixing holes

Pickability

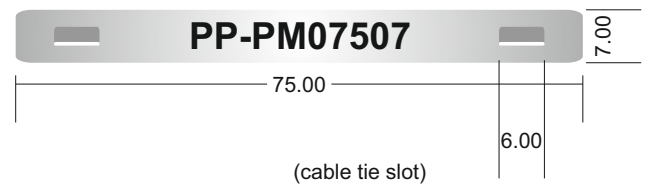
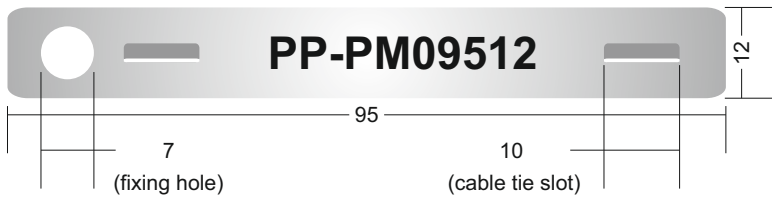
Labels are supplied in a catalogued fashion for ease of picking upon arrival at site.

Stainless Steel Marking

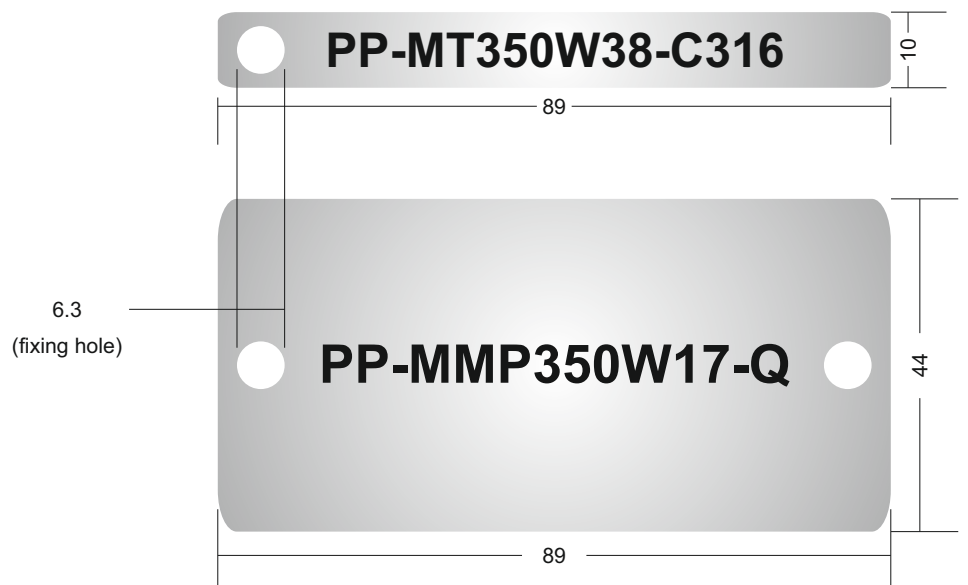
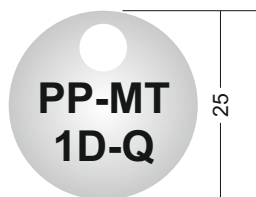
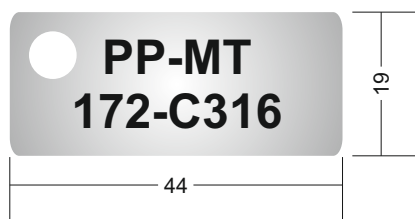
Stainless Steel 316 Cable Markers



Stainless Steel 316 "Permark" Raised Shoulder Cable Markers



Stainless Steel Tags, Disc and Marker Plate (complete with 6.3mm fixing holes)



Stainless Steel markers, plates and tags

Stainless steel markers meet the requirements of the most hostile environments. Combined with our laser marking process that has been developed over 20 years we deliver a final product that is among the very best to be found in the marketplace today. With a clear and legible black mark our products can be found on land, in the air and at sea. We serve many industry sectors including offshore oil and gas, chemical plants and refining, rail, mining, and aerospace.

Stainless Steel Marking

Ordering information - Blank or laser marked with your data

Part number (BLANKS)	Part Number (LASER MARKED)	Length (mm)	Width (mm)	Thickness (mm)	Material Grade
MMP350-C316	PP-MMP350-C316	89.00	19.00	0.25	SS 316
MMP350H-C316	PP-MMP350H-C316	89.00	19.00	0.25	SS 316
MMP350W38-C316	PP-MMP350W38-C316	89.00	10.00	0.25	SS 316
MMP172W38-C316	PP-MMP172W38-C316	44.00	10.00	0.25	SS 316
MT350W38-C316	PP-MT350W38-C316	89.00	10.00	0.25	SS 316
MT172-C316	PP-MT172-C316	44.00	19.00	0.25	SS 316
MMP350W17-Q	PP-MMP350W17-Q	89.00	44.00	0.38	SS 304
MT1D-Q	PP-MT1D-Q	25.00	diameter	0.89	SS 304
PM09512	PP-PM09512	95.00	12.00	0.89	SS 316
PM07507	PP-PM07507	75.00	7.00	0.89	SS 316

Laser Marking Test Results

All markers tested were laser marked with a CO2 laser at 600dpi

Test Solution	1 Hour	12 Hours	24 Hours	168 Hours
Organic				
Gasoline	No effect	No effect	No effect	No effect
Limonene	No effect	No effect	No effect	No effect
Methyl Ethyl	No effect	No effect	No effect	No effect
N-Butanol	No effect	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect	No effect
Xylene	No effect	No effect	No effect	No effect
Acetone	No effect	No effect	No effect	No effect
Propylene	No effect	No effect	No effect	No effect
Ethanol	No effect	No effect	No effect	No effect
DMSO	No effect	No effect	No effect	No effect
Motor Oil	No effect	No effect	No effect	No effect
Acid / Bases				
Hydrochloric Acid	No effect	No effect	* note1	No effect
Nitric Acid (68%)	No effect	No effect	No effect	No effect
Sulphuric Acid (conc.)	No effect	No effect	No effect	No effect
Acetic Acid (99.5%)	No effect	No effect	No effect	** note 2
Hydrogen Peroxide (30%)	No effect	No effect	No effect	No effect
Sodium Hydroxide (25%)	No effect	No effect	No effect	No effect
Ammonium Hydroxide (20%)	No effect	No effect	No effect	No effect

*Acid dissolves steel tag and test was not run over 12 hours

After 1 hour acid dissolved 0.2767gms off of steel tag (4.7%) - no effect to mark

After 12 hours acid dissolved 1.8057gms off of steel tag (30.6%) - no effect to mark

**Acid discolours after approximately 96 hours - mark appears slightly discoloured

Technical Data



Colour

Metallic

Material

Marine Grade SS316

Standard Grade SS304

Operating temperature

-80°C up to +538°C.

Specifications

SAE AS81531 4.6.2

(Legible after 50 rubs)

MIL-STD-202F M215J

(Legible after 30 strokes)

Marking Capabilities

Bold or standard letters

Lower and upper case letters

Choice of True Type Fonts

Lines, boxes and shapes

Logos and graphics

Data-matrix and barcode

Multiple lines of text

Variable font size on single marker

Test Results

Markers were laser marked with

CO2 laser prior to testing.

Markers were totally immersed

in each test solution and results

recorded as per table opposite.

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info@expresselectrical.ae

Stainless Steel Cutting & Marking Services

Stainless steel plates designed by you and manufactured by us.

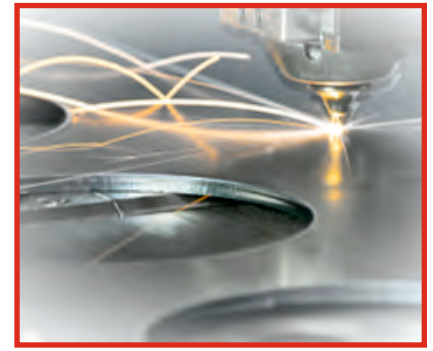
Our CNC laser delivers an unrivalled service in custom plate manufacturing.

We laser cut material up to 3mm thick in a choice of materials and finishes.

Radius corners, fixing holes, switch and lamp openings can all be achieved with ease.

A complete solution in stainless steel, from one-off plates to large scale projects.

All services are delivered in-house giving us complete flexibility to meet your demands.



Laser cutting

- Any size! Any shape!
- Metal, wood or plastic
- Up to 3mm thick stainless steel cutting capabilities
- SS316 and SS304 grades as standard
- Brushed, matt and polished finishes
- Hole cutting options available



Laser marking

- BOLD block letters, upper & lower case characters
- True Type fonts in single or multiple lines of text
- Data-matrix, barcoding, borders, logos and graphics
- Variable font styles and sizes on the same plate
- Single / one-off tags for adds, mods, changes
- Alphanumeric and sequential numbering ability



Part marking service

Have stainless parts that simply need marked?

Send us the parts and we'll mark them for you.

e xpress offer a part marking service

a ny size, any shape, any thickness

s imple, quick response time and all hassle free

y ou send us the parts, we mark them - **easy!**



Mechanical engraving & paint filling

- In-house capability with no minimum order quantity
- Option to combine laser marking and engraved paint filling

Laser marked stainless steel cable ties

We laser mark directly on to stainless steel cable ties.

A solution for weight or space saving where identification is required.

The tie can double as a fixing and marking solution in one.



fix and secure with
expressFIX



FIX & SECURE

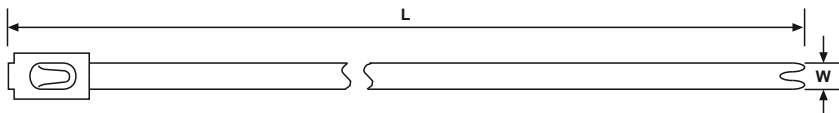
EBT-6U uncoated SS316 ball-lock ties

EBT-6U uncoated stainless steel cable ties provide a low cost solution to the electrical contractor for fixing and clamping applications.

Excellent weather, heat, corrosion, chemical and fire resistance, ensure they are suitable for indoor, outdoor and underground applications, that require high strength and reliability.

Ordering information

Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Bundle Dia (mm)	Min Tensile Strength (N)
EBT-6U-046-0100	100	100	4.6	18	667
EBT-6U-046-0150	100	150	4.6	34	667
EBT-6U-046-0200	100	200	4.6	50	667
EBT-6U-046-0260	100	260	4.6	69	667
EBT-6U-046-0300	100	300	4.6	80	667
EBT-6U-046-0360	100	360	4.6	100	667
EBT-6U-046-0520	100	520	4.6	151	667
EBT-6U-046-0620	100	620	4.6	183	667
EBT-6U-046-0680	100	680	4.6	200	667
EBT-6U-046-0840	100	840	4.6	254	667
EBT-6U-046-1000	100	1000	4.6	304	667
EBT-6U-079-0100	100	100	7.9	18	1335
EBT-6U-079-0150	100	150	7.9	34	1335
EBT-6U-079-0200	100	200	7.9	50	1335
EBT-6U-079-0260	100	260	7.9	69	1335
EBT-6U-079-0300	100	300	7.9	80	1335
EBT-6U-079-0360	100	360	7.9	100	1335
EBT-6U-079-0520	100	520	7.9	151	1335
EBT-6U-079-0620	100	620	7.9	183	1335
EBT-6U-079-0680	100	680	7.9	200	1335
EBT-6U-079-0840	100	840	7.9	254	1335
EBT-6U-079-1000	100	1000	7.9	304	1335



Application tooling

EFSST

- For 4.6 & 7.9mm widths
- Lever action cuts off excess tail
- Easy grip handle design
- Installer controlled tensioning
- Suitable for coated or non-coated cable ties



ECTT2

- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution



Technical Data



Colour

Metallic

Material

Marine Grade SS316

Operating temperature

-60°C up to +300°C.

Features

- UL94 fireproof
- Halogen free
- UV resistant
- Rounded edges
- Rollerball locking mechanism
- 4.6 & 7.9mm wide options
- Eleven lengths

Tensile Strength

4.6mm wide = 667N

7.9mm wide = 1335N

EBT-60 coated SS316 ball-lock ties

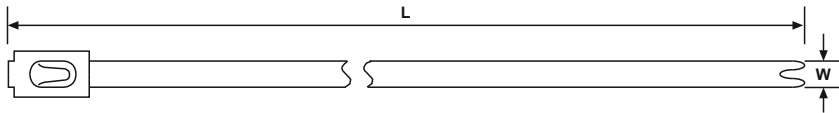
EBT-60 polyester coated stainless steel cable ties deliver a low cost solution for applications that require an extra degree of protection for the cable, bundle or pipe.

The polyester coating mitigates galvanic corrosion of dissimilar metals once in position, and ensures safe installer handling.



Ordering information

Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Bundle Dia (mm)	Min Tensile Strength (N)
EBT-60-046-0100	100	100	4.6	18	667
EBT-60-046-0150	100	150	4.6	34	667
EBT-60-046-0200	100	200	4.6	50	667
EBT-60-046-0260	100	260	4.6	69	667
EBT-60-046-0300	100	300	4.6	80	667
EBT-60-046-0360	100	360	4.6	100	667
EBT-60-046-0520	100	520	4.6	151	667
EBT-60-046-0620	100	620	4.6	183	667
EBT-60-046-0680	100	680	4.6	200	667
EBT-60-046-0840	100	840	4.6	254	667
EBT-60-046-1000	100	1000	4.6	304	667
EBT-60-079-0100	100	100	7.9	18	1335
EBT-60-079-0150	100	150	7.9	34	1335
EBT-60-079-0200	100	200	7.9	50	1335
EBT-60-079-0260	100	260	7.9	69	1335
EBT-60-079-0300	100	300	7.9	80	1335
EBT-60-079-0360	100	360	7.9	100	1335
EBT-60-079-0520	100	520	7.9	151	1335
EBT-60-079-0620	100	620	7.9	183	1335
EBT-60-079-0680	100	680	7.9	200	1335
EBT-60-079-0840	100	840	7.9	254	1335
EBT-60-079-1000	100	1000	7.9	304	1335



Application tooling

EFSST

- For 4.6 & 7.9mm widths
- Lever action cuts off excess tail
- Easy grip handle design
- Installer controlled tensioning
- Suitable for coated or non-coated cable ties



ECTT2

- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution



Technical Data



Colour

Black

Material

Marine Grade SS316 with black polyester coating

Operating temperature

-60°C up to +300°C (base tie)
-60°C up to +150°C (coating)

Features

UL94 fireproof
Halogen free
UV resistant
Rounded edges
Rollerball locking mechanism
4.6 & 7.9mm wide options
Eleven lengths
Fully coated head and tail

Tensile Strength

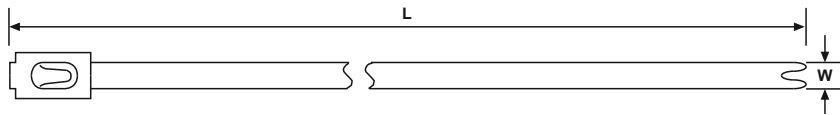
4.6mm wide = 667N
7.9mm wide = 1335N

EBT premium uncoated SS316 ball-lock ties

Offering a higher tensile strength the EBT premium uncoated cable ties have a non-releasable locking mechanism offering infinite adjustment along the length. Suitable for the most arduous conditions or where additional strength, fire and chemical resistance is required. Manufactured in the UK, and used in all industries from mass transit, shipbuilding, oil rigs, mining and chemical industries. The unique "end of tail" design ensures a smooth and guided entry to the cable tie head at installation.

Ordering information

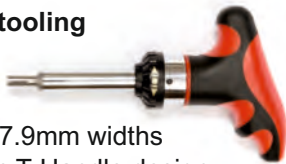
Part Number	Material	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Bundle Dia (mm)	Min Tensile Strength (N)
EBT5S	SS 316	100	127	4.6	25	900
EBT8S	SS 316	100	201	4.6	50	900
EBT12S	SS 316	100	300	4.6	80	900
EBT14S	SS 316	100	362	4.6	102	900
EBT20S	SS 316	100	521	4.6	152	900
EBT27S	SS 316	100	681	4.6	203	900
EBT33S	SS 316	100	838	4.6	254	900
EBT8H	SS 316	50	201	7.9	50	2000
EBT14H	SS 316	50	362	7.9	102	2000
EBT20H	SS 316	50	521	7.9	152	2000
EBT27H	SS 316	50	681	7.9	203	2000
EBT33H	SS 316	50	838	7.9	254	2000
EBT14XH	SS 316	50	362	12.3	102	2700
EBT20XH	SS 316	50	521	12.3	152	2700
EBT27XH	SS 316	50	681	12.3	203	2700
EBT33XH	SS 316	50	838	12.3	254	2700



Application tooling

THT

- For 4.6 & 7.9mm widths
- Ergonomic T-Handle design
- Integrated ratchet system
- Simple tensioning mechanism
- Tail coils to a safe' neat finish



ECTT2

- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution



ECTT2

- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution



MK9SST

- For ties up to 16mm wide
- Side entry for tie
- Fully adjustable tensioning
- Single handed operation
- Automatic cut off, with no sharp edges



Technical Data



Colour

Metallic

Material

Marine Grade SS316

Operating temperature

-80°C up to +538°C.

Features

- High tensile strength
- Fast, secure installation
- Unique tail for ease of feeding
- Weather & corrosion resistant
- Halogen free
- UV resistant
- Rounded edges
- Rollerball locking mechanism
- 3 strap widths available

Tensile Strength

4.6mm wide = 900N

7.9mm wide = 2000N

12.3mm wide = 2700N

EBT premium coated SS316 ball-lock ties

The EBT premium polyester coated 316 grade cable ties use a patented, non-releasable, ball locking system, designed to ease installation and provide high tensile strengths. Suitable for general purpose use, construction, automotive, and environments where weather and chemical resistance is necessary. They have excellent salt spray resistance properties and are well suited to the marine environment.



Technical Data



Colour

Black

Material

Marine Grade SS316

Operating temperature

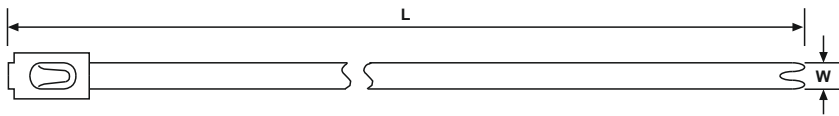
-80°C up to +538°C (base tie)
-80°C up to +150°C (coating)

Features

- High tensile strength
- Fast, secure installation
- Unique tail for ease of feeding
- Weather & corrosion resistant
- Halogen free
- UV resistant
- Rounded edges
- Rollerball locking mechanism
- 3 strap widths available
- Coating provides cable protection

Ordering information

Part Number	Material	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Bundle Dia (mm)	Min Tensile Strength (N)
EBT8S-FC	SS 316	100	201	4.6	50	540
EBT12S-FC	SS 316	100	300	4.6	80	540
EBT14S-FC	SS 316	100	362	4.6	102	540
EBT20S-FC	SS 316	100	521	4.6	152	540
EBT27S-FC	SS 316	100	681	4.6	203	540
EBT33S-FC	SS 316	100	838	4.6	254	540
EBT8H-FC	SS 316	50	201	7.9	50	1020
EBT14H-FC	SS 316	50	362	7.9	102	1020
EBT20H-FC	SS 316	50	521	7.9	152	1020
EBT27H-FC	SS 316	50	681	7.9	203	1020
EBT33H-FC	SS 316	50	838	7.9	254	1020
EBT14XH-FC	SS 316	50	362	12.3	102	1620
EBT20XH-FC	SS 316	50	521	12.3	152	1620
EBT27XH-FC	SS 316	50	681	12.3	203	1620
EBT33XH-FC	SS 316	50	838	12.3	254	1620

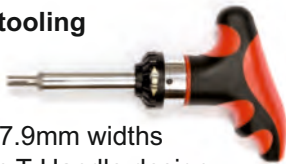


Tensile Strength

4.6mm wide = 540N
7.9mm wide = 1020N
12.3mm wide = 1620N

Application tooling

THT



- For 4.6 & 7.9mm widths
- Ergonomic T-Handle design
- Integrated ratchet system
- Simple tensioning mechanism
- Tail coils to a safe' neat finish

ECTT2



- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution

ECTT2



- For 4.6 & 7.9mm widths
- Automatic cut off of excess tail
- Adjustable tensioning
- Metal body construction
- Low cost solution

MK9SST



- For ties up to 16mm wide
- Side entry for tie
- Fully adjustable tensioning
- Single handed operation
- Automatic cut off, with no sharp edges

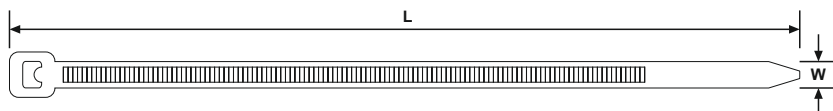
ECT nylon cable ties

ECT cable ties have internal serrations allowing for a positive hold on to cable and pipe bundles. The head design ensures a high tensile strength while allowing a very low insertion force.

These general purpose versatile fasteners can be used in countless applications and are used throughout mass transit, shipbuilding, petrochemical, automotive, construction and electrical contracting.

Ordering information

BLACK Part Number	NATURAL Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Dia (mm)	Min Tensile (kg)
ECT80X2.4B	ECT80X2.4N	100	80	2.4	15	8.0
ECT100X2.5B	ECT100X2.5N	100	100	2.5	22	8.1
ECT120X2.5B	ECT120X2.5N	100	120	2.5	24	8.1
ECT165X2.5B	ECT165X2.5N	100	165	2.5	40	8.1
ECT200X2.5B	ECT200X2.5N	100	200	2.5	53	8.1
ECT140X3.6B	ECT140X3.6N	100	140	3.6	33	18.2
ECT180X3.6B	ECT180X3.6N	100	180	3.6	53	18.2
ECT200X3.6B	ECT200X3.6N	100	200	3.6	53	18.2
ECT300X3.6B	ECT300X3.6N	100	300	3.6	102	18.2
ECT120X4.8B	ECT120X4.8N	100	120	4.8	24	22.2
ECT160X4.8B	ECT160X4.8N	100	160	4.8	38	22.2
ECT200X4.8B	ECT200X4.8N	100	200	4.8	50	22.2
ECT250X4.8B	ECT250X4.8N	100	250	4.8	60	22.2
ECT300X4.8B	ECT300X4.8N	100	300	4.8	76	22.2
ECT370X4.8B	ECT370X4.8N	100	370	4.8	102	22.2
ECT430X4.8B	ECT430X4.8N	100	430	4.8	110	22.2
ECT150X7.6B	ECT150X7.6N	100	150	7.6	35	54.4
ECT200X7.6B	ECT200X7.6N	100	200	7.6	50	54.4
ECT300X7.6B	ECT300X7.6N	100	300	7.6	76	54.4
ECT380X7.6B	ECT380X7.6N	100	380	7.6	102	54.4
ECT430X9.0B	ECT430X9.0N	100	430	9.0	110	79.4
ECT530X9.0B	ECT530X9.0N	100	530	9.0	140	79.4
ECT610X9.0B	ECT610X9.0N	100	610	9.0	180	79.4
ECT710X9.0B	ECT710X9.0N	100	710	9.0	190	79.4
ECT780X9.0B	ECT780X9.0N	100	780	9.0	228	79.4
ECT914X9.0B	ECT914X9.0N	100	914	9.0	265	79.4
ECT1220X9.0B	ECT1220X9.0N	100	1220	9.0	325	79.4
ECT280X12.7B	ECT280X12.7N	100	280	12.7	70	114.0
ECT380X12.7B	ECT380X12.7N	100	380	12.7	102	114.0
ECT480X12.7B	ECT480X12.7N	100	480	12.7	120	114.0
ECT580X12.7B	ECT580X12.7N	100	580	12.7	204	114.0
ECT730X12.7B	ECT730X12.7N	100	730	12.7	190	114.0
ECT880X12.7B	ECT880X12.7N	100	880	12.7	240	114.0
ECT1030X12.7B	ECT1030X12.7N	100	1030	12.7	295	114.0



Application tooling

ECTT1

- For fast, safe tensioning and cut off of excess tail
- Suitable for nylon cable tie widths from 2.4 to 4.8mm
- Material : Metal bodied
- Colour : Red
- Dimensions : 178 x 140 x 29mm



Technical Data



Colour

Black or natural

Material

Halogen free Polyamide 6.6

Features

- Halogen free
- UL94 V2
- Fast, secure installation
- Smooth round edges
- Wide range of sizes

ECT coloured cable ties

The perfect solution for applications such as colour coding, date/year identification, asset tagging, package or area coding, and ensuring a fast and effective visual identifier on site.



Ordering information

Part Number	Colour	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Dia (mm)	Min Tensile (kg)
ECT100X2.5BL	BLUE	100	100	2.5	22	8.1
ECT140X3.6BL	BLUE	100	140	3.6	33	18.2
ECT200X4.8BL	BLUE	100	200	4.8	50	22.2
ECT300X4.8BL	BLUE	100	300	4.8	76	22.2
ECT100X2.5BR	BROWN/ORANGE	100	100	2.5	22	8.1
ECT140X3.6BR	BROWN/ORANGE	100	140	3.6	33	18.2
ECT200X4.8BR	BROWN/ORANGE	100	200	4.8	50	22.2
ECT300X4.8BR	BROWN/ORANGE	100	300	4.8	76	22.2
ECT100X2.5G	GREEN	100	100	2.5	22	8.1
ECT140X3.6G	GREEN	100	140	3.6	33	18.2
ECT200X4.8G	GREEN	100	200	4.8	50	22.2
ECT300X4.8G	GREEN	100	300	4.8	76	22.2
ECT100X2.5R	RED	100	100	2.5	22	8.1
ECT140X3.6R	RED	100	140	3.6	33	18.2
ECT200X4.8R	RED	100	200	4.8	50	22.2
ECT300X4.8R	RED	100	300	4.8	76	22.2
ECT100X2.5Y	YELLOW	100	100	2.5	22	8.1
ECT140X3.6Y	YELLOW	100	140	3.6	33	18.2
ECT200X4.8Y	YELLOW	100	200	4.8	50	22.2
ECT300X4.8Y	YELLOW	100	300	4.8	76	22.2
ECT300X4.8S	SILVER	100	300	4.8	76	22.2
ECT370X4.8S	SILVER	100	370	4.8	102	22.2



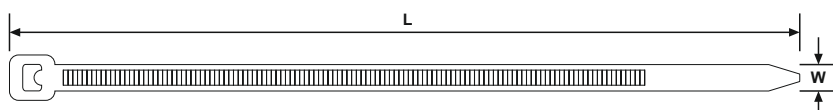
ECT weather resistant cable ties

Weather resistant cable ties have a greater resistance to ultraviolet light which is known to damage natural nylon. This range can be used where adverse outdoor conditions exist.



Ordering information

Part Number	Colour	Pack Qty (pcs)	Length (mm)	Width (mm)	Max Dia (mm)	Min Tensile (kg)
ECT100X2.5WR	Black	100	100	2.5	22	8.1
ECT150X3.6WR	Black	100	150	3.6	35	18.2
ECT200X3.6WR	Black	100	200	3.6	53	18.2
ECT200X4.8WR	Black	100	200	4.8	50	22.2
ECT300X4.8WR	Black	100	300	4.8	76	22.2
ECT370X4.8WR	Black	100	370	4.8	102	22.2
ECT530X4.8WR	Black	100	530	4.8	140	22.2
ECT540X7.6WR	Black	100	540	7.6	140	54.4
ECT1220X9.0WR	Black	100	1220	9.0	365	79.4



Technical Data



Colour

Blue, Brown/Orange, Green, Red, Yellow and Silver

Material

Halogen free Polyamide 6.6

Features

Halogen free
UL94 V2
Fast, secure installation
Smooth round edges
Six colour choices

Colour

Black

Material

Halogen free Polyamide 6.6

Features

Halogen free
UL94 V2
Fast, secure installation
Smooth round edges



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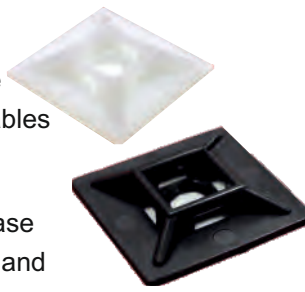
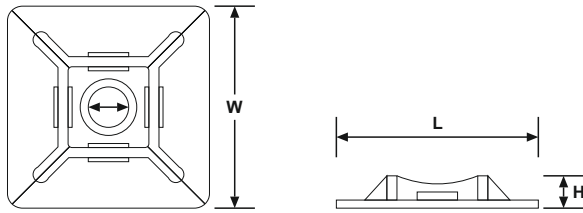
ECTB self adhesive nylon cable tie base

With a self adhesive cable tie base you can create a cable tie mounting point anywhere. Use of a cable tie base ensures cables are routed and fixed safely and in an organised fashion.

Before application please ensure surfaces are clean and grease free. For uneven surfaces you can use the central fixing hole and screw in to position.

Ordering information

BLACK Part Number	NATURAL Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Height (mm)	Fixing Hole Dia (mm)	Cable Tie Slot (mm)
ECTB19B	ECTB19N	100	19.0	19.0	4.4	3.5	4.0
ECTB28B	ECTB28N	100	27.7	27.7	5.7	5.7	5.3
ECTB40B	ECTB40N	100	38.1	38.1	5.4	6.0	9.3



Technical Data



Colour

Black or natural

Material

Halogen free Polyamide 6.6

Features

Halogen free

UL94 V2

Self adhesive backing

Single fixing hole

Operating temperature

-40°C up to +85°C

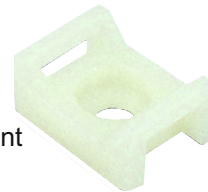
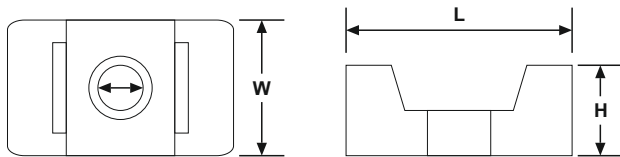
ESMB screw mount nylon cable tie base

Designed to hold larger cables or cable bundles, these screw mount bases are used across many industries and offer a very secure cable tie mounting point.

The saddles can easily be fixed in place by means of a screw or bolt using the fixing hole, and can accommodate a range of cable ties widths.

Ordering information

BLACK Part Number	NATURAL Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Height (mm)	Fixing Hole Dia (mm)	Cable Tie Slot (mm)
ESMB1B	ESMB1N	100	14.9	9.5	7.2	3.7	4.8
ESMB2B	ESMB2N	100	21.9	15.9	9.7	5.0	9.0



Colour

Black or natural

Material

Halogen free Polyamide 6.6

Features

Halogen free

UL94 V2

Single fixing hole

Suitable for screw or bolt

Operating temperature

-40°C up to +85°C

ESSCM stainless steel “winged” cable tie cradle mount

These “winged” cable tie mounts are suitable for the secure fixing of cables and hoses when used in conjunction with stainless steel cable ties.



Manufactured from 316 grade stainless steel complete with a fixing hole to suit a no.8 screw, and designed to accommodate cable ties up to 8mm wide.

Ordering information

Part Number	Pack Qty (pcs)	Length (mm)	Width (mm)	Tie Width Max (mm)	Fixing Hole (mm)
ESSCM8	100	12.0	16.0	8.0	5.0

ESSPC cable tie bases

These bases provide a secure fixing point for cables and hoses, in the most arduous of environments, when used in conjunction with stainless steel cable ties.

With a heavy duty design and manufactured from 316 grade stainless, there is a choice of three fixing holes, and are suitable for cable ties up to 10mm wide.



Ordering information

Part Number	Description	Pack Qty (pcs)	Length (mm)	Width (mm)	Tie Width Max (mm)	Fixing Hole (mm)
ESSPC4	Base with 4mm hole	100	23.0	10.0	10.0	4.0
ESSPC5	Base with 5mm hole	100	23.0	10.0	10.0	5.0
ESSPC6	Base with 6mm hole	100	23.0	10.0	10.0	6.0

Technical Data



Colour

Metallic

Material

Marine Grade SS316

Features

Suitable for ties up to 8mm wide
5mm fixing hole for No.8 screw
Design prevents screw head interference with cable tie
Quick and easy to install

Operating temperature

-80°C up to +538°C



Colour

Metallic

Material

Marine Grade SS316

Features

Suitable for ties up to 10mm wide
4,5 and 6mm fixing hole options
Simple design
Quick and easy to install

Operating temperature

-80°C up to +538°C

ECC Clingstrap Cable Cleats

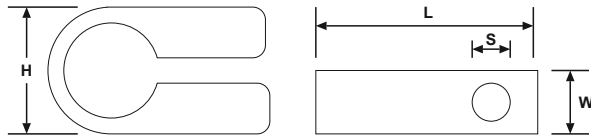
A range of one-piece, single-fixing point cable cleats that are suitable for use with cable, conduit and pipes up to 50.8mm diameter.



Clingstrap style cleats provides a simple, but strong fixing point and are suitable for both indoor and outdoor use. Available in 13 sizes and two materials types.

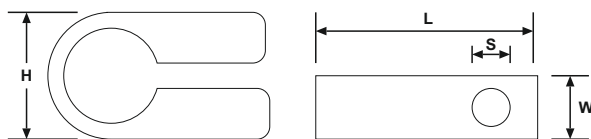
Ordering information - Polypropylene

Polypropylene Part Number	Pack Qty (pcs)	Length (mm)	Height (mm)	Width (mm)	Hole Size	Diameter Range
ECC04	100	27.0	12.5	15.0	M6	7.7 - 10.0
ECC05	100	29.7	15.0	16.0	M6	10.1 - 12.7
ECC06	100	33.0	17.0	16.5	M6	12.6 - 15.2
ECC07	100	36.0	19.5	19.5	M6	15.1 - 17.6
ECC08	100	38.0	25.0	19.5	M6	17.7 - 20.3
ECC09	100	42.0	26.0	19.5	M6	20.2 - 22.8
ECC10	100	46.0	32.5	22.0	M6	22.7 - 25.4
ECC11	50	50.5	36.0	22.0	M10	25.3 - 27.7
ECC12	50	59.0	40.0	25.0	M10	27.6 - 30.5
ECC14	50	63.0	46.5	25.0	M10	30.4 - 35.5
ECC16	25	69.0	52.0	25.0	M10	35.4 - 40.6
ECC18	25	72.5	58.0	25.0	M10	40.5 - 45.7
ECC20	25	72.0	60.0	25.0	M10	45.6 - 50.8



Ordering information - Polypropylene Low Smoke Flame Retardant

Polypropylene LSF Part Number	Pack Qty (pcs)	Length (mm)	Height (mm)	Width (mm)	Hole Size	Diameter Range
ECC04-LSF	100	27.0	12.5	15.0	M6	7.7 - 10.0
ECC05-LSF	100	29.7	15.0	16.0	M6	10.1 - 12.7
ECC06-LSF	100	33.0	17.0	16.5	M6	12.6 - 15.2
ECC07-LSF	100	36.0	19.5	19.5	M6	15.1 - 17.6
ECC08-LSF	100	38.0	25.0	19.5	M6	17.7 - 20.3
ECC09-LSF	100	42.0	26.0	19.5	M6	20.2 - 22.8
ECC10-LSF	100	46.0	32.5	22.0	M6	22.7 - 25.4
ECC11-LSF	50	50.5	36.0	22.0	M10	25.3 - 27.7
ECC12-LSF	50	59.0	40.0	25.0	M10	27.6 - 30.5
ECC14-LSF	50	63.0	46.5	25.0	M10	30.4 - 35.5
ECC16-LSF	25	69.0	52.0	25.0	M10	35.4 - 40.6
ECC18-LSF	25	72.5	58.0	25.0	M10	40.5 - 45.7
ECC20-LSF	25	72.0	60.0	25.0	M10	45.6 - 50.8



Technical Data



Colour

Black

Material

Polypropylene or
Polypropylene LSF

Features

- Fast and simple to install
- Provides a strong fixing point
- For cables up to 50mm diameter
- Suitable for indoor and outdoor use
- UV resistant
- Large size range

Operating temperature

-35°C up to +105°C

terminate and connect with
expressTERM

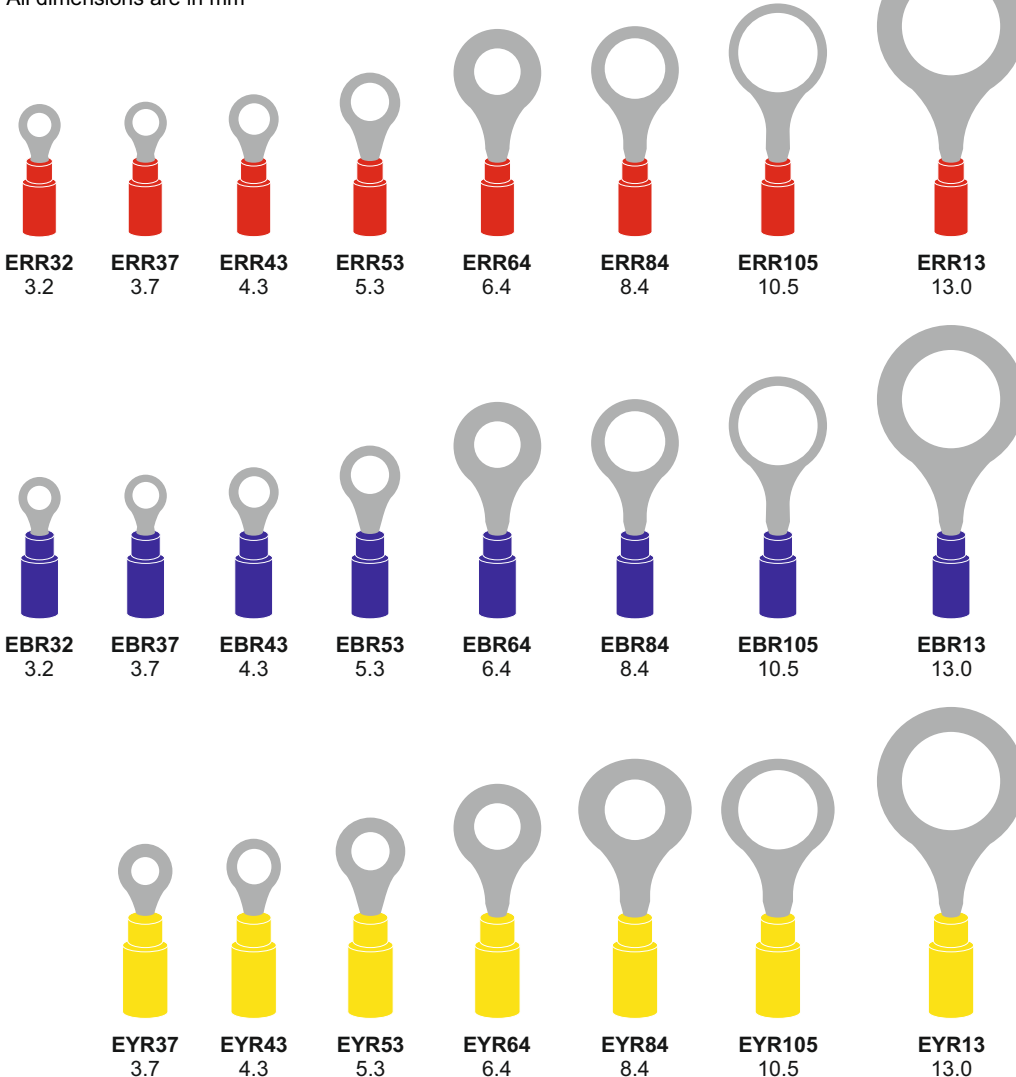


TERMINATE & CONNECT

Ring Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Stud Size	Dia (S)	Width (W)	Length (L)	Dia (d)	
ERR32	0.5 – 1.5	100	3.0	3.3	5.5	17.5	1.7	
ERR37		100	3.5	3.8	5.5	17.5	1.7	
ERR43		100	4.0	4.4	6.6	19.4	1.7	
ERR53		100	5.0	5.0	5.4	8.0	20.8	1.7
ERR64		100	6.0	6.0	6.5	11.6	26.7	1.7
ERR84		100	8.0	8.0	8.5	11.6	26.7	1.7
ERR105		100	10.0	10.0	10.5	13.0	30.5	1.7
ERR13		100	12.0	12.0	13.0	18.0	35.4	1.7
EBR32		1.5 – 2.5	100	3.0	3.3	6.6	17.8	2.3
EBR37	100		3.5	3.8	6.6	17.8	2.3	
EBR43	100		4.0	4.4	6.6	21.8	2.3	
EBR53	100		5.0	5.4	8.5	21.8	2.3	
EBR64	100		6.0	6.4	12.0	26.8	2.3	
EBR84	100		8.0	8.4	12.0	26.8	2.3	
EBR105	100		10.0	10.5	13.6	30.5	2.3	
EBR13	100		12.0	13.0	19.2	35.4	2.3	
EYR37	4.0 – 6.0		100	3.5	3.7	7.2	23.2	3.4
EYR43		100	4.0	4.4	7.2	23.2	3.4	
EYR53		100	5.0	5.4	9.5	27.3	3.4	
EYR64		100	6.0	6.4	12.0	29.5	3.4	
EYR84		100	8.0	8.5	15.0	34.5	3.4	
EYR105		100	10.0	10.6	15.0	34.5	3.4	
EYR13		100	12.0	13.0	19.2	39.1	3.4	

All dimensions are in mm



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

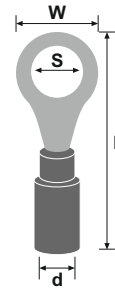
Max voltage rating: 600V
Max. current rating:
Red : 19A
Blue : 27A
Yellow : 48A

Features

Zero Halogen
Flared barrel
Simple wire insertion
Low insertion force
Easy to crimp
Secure termination

Tooling

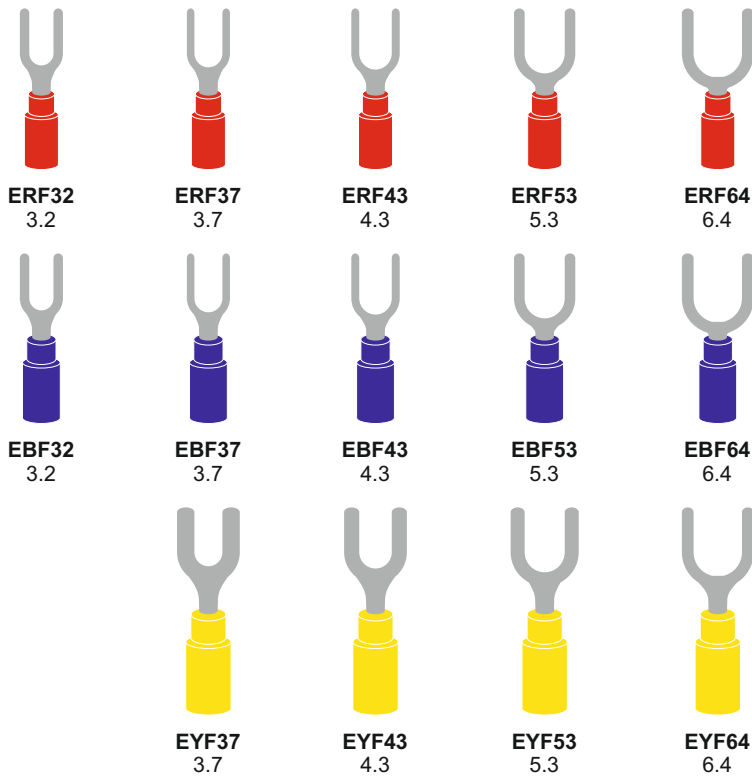
Ratchet action crimp tool
For pre-insulated terminals
Range : 0.5mm² to 6.0mm²
Tool length: 242mm
Weight: 0.5 kgs
Part Number : **ERT6**



Fork Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Stud Size	Dia (S)	Width (W)	Length (L)	Dia (d)
ERF32	0.5 – 1.5	100	3.0	3.2	5.7	21.0	1.7
ERF37		100	3.5	3.7	5.7	21.0	1.7
ERF43N		100	4.0	4.3	6.4	21.0	1.7
ERF53		100	5.0	5.3	8.1	21.0	1.7
ERF64		100	6.0	6.4	9.5	21.0	1.7
EBF32	1.5 – 2.5	100	3.0	3.2	5.7	21.0	2.3
EBF37		100	3.5	3.7	5.7	21.0	2.3
EBF43N		100	4.0	4.3	6.4	21.0	2.3
EBF53		100	5.0	5.3	7.9	21.0	2.3
EBF64		100	6.0	6.4	9.3	21.0	2.3
EYF37	4.0 – 6.0	100	3.5	3.7	8.3	25.5	3.4
EYF43		100	4.0	4.3	8.3	25.5	3.4
EYF53		100	5.0	5.3	9.0	25.5	3.4
EYF64		100	6.0	6.4	9.0	25.5	3.4

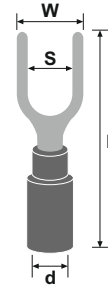
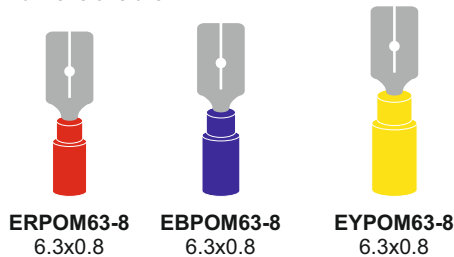
All dimensions are in mm



Push-on Tab Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Thick (T)	Length (L)	Dia (d)
ERPOM63-8	0.5 – 1.5	100	6.3	0.8	21.8	1.7
EBPOM63-8	1.5 – 2.5	100	6.3	0.8	21.8	2.3
EYPOM63-8	4.0 – 6.0	100	6.3	0.8	24.0	3.4

All dimensions are in mm



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

Max voltage rating: 600V

Max. current rating:

Red : 19A

Blue : 27A

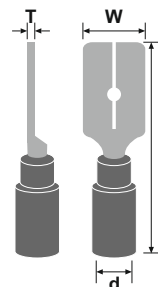
Yellow : 48A

Features

- Zero Halogen
- Flared barrel
- Simple wire insertion
- Low insertion force
- Easy to crimp
- Secure termination

Tooling

Ratchet action crimp tool
For pre-insulated terminals
Range : 0.5mm² to 6.0mm²
Tool length: 242mm
Weight: 0.5 kgs
Part Number : **ERT6**



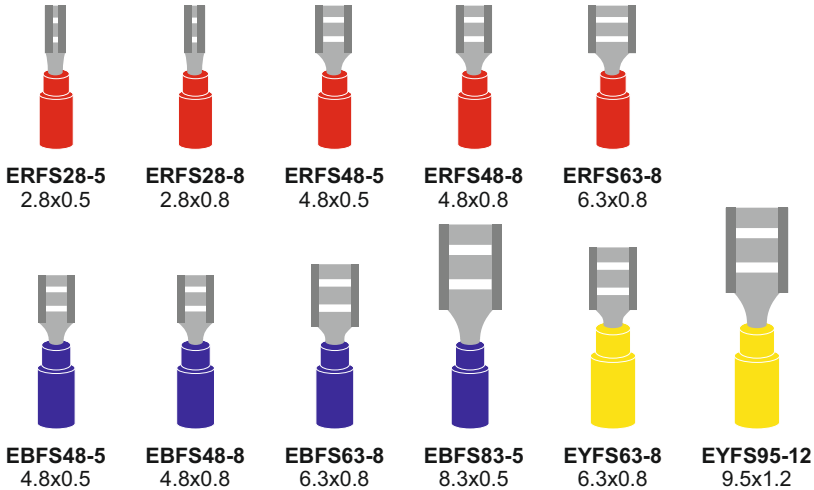
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Push-on Female Spade Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Thick (T)	Length (L)	Dia (d)
ERFS28-5	0.5 – 1.5	100	2.8	0.5	19.0	1.7
ERFS28-8		100	2.8	0.8	19.0	1.7
ERFS48-5		100	4.8	0.5	19.4	1.7
ERFS48-8		100	4.8	0.8	19.4	1.7
ERFS63-8		100	6.3	0.8	19.4	1.7
EBFS48-5	1.5 – 2.5	100	4.8	0.5	19.4	2.3
EBFS48-8		100	4.8	0.8	19.4	2.3
EBFS63-8		100	6.3	0.8	20.8	2.3
EBFS83-5		100	8.3	0.5	24.5	2.3
EYFS63-8	4.0 – 6.0	100	6.3	0.8	23.3	3.4
EYFS95-12		100	9.5	1.2	28.6	3.4

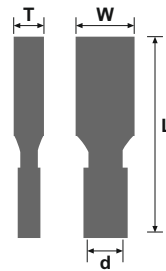
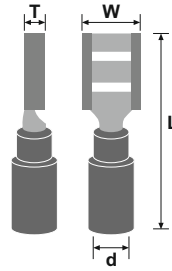
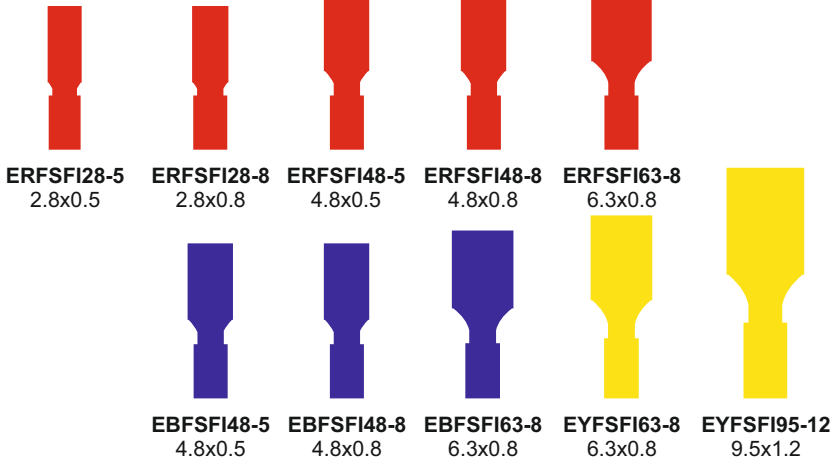
All dimensions are in mm



Push-on Fully insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Thick (T)	Length (L)	Dia (d)
ERFSFI28-5	0.5 – 1.5	100	2.8	0.5	19.0	1.7
ERFSFI28-8		100	2.8	0.8	19.0	1.7
ERFSFI48-5		100	4.8	0.5	20.5	1.7
ERFSFI48-8		100	4.8	0.8	20.5	1.7
ERFSFI63-8		100	6.3	0.8	21.8	1.7
EBFSFI48-5	1.5 – 2.5	100	4.8	0.5	20.2	2.3
EBFSFI48-8		100	4.8	0.8	20.2	2.3
EBFSFI63-8		100	6.3	0.8	22.2	2.3
EYFSFI63-8	4.0 – 6.0	100	6.3	0.8	24.2	3.4
EYFSFI95-12		100	9.5	1.2	30.5	3.4

All dimensions are in mm



Technical Data



Material

Conductor: Copper

Plating: Tin

Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

Max voltage rating: 600V

Max. current rating:

Red : 19A

Blue : 27A

Yellow : 48A

Features

Zero Halogen

Flared barrel

Simple wire insertion

Low insertion force

Easy to crimp

Secure termination

Tooling

Ratchet action crimp tool

For pre-insulated terminals

Range : 0.5mm² to 6.0mm²

Tool length: 242mm

Weight: 0.5 kgs

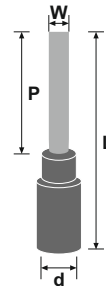
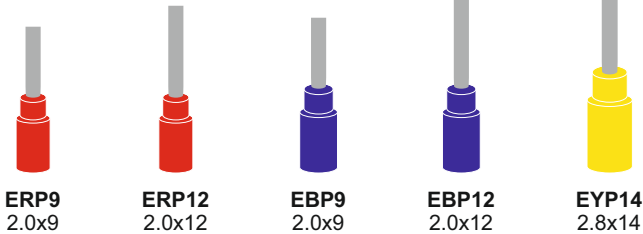
Part Number : **ERT6**



Pin Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Pin (P)	Length (L)	Dia (d)
ERP9	0.5 – 1.5	100	1.9	9.0	18.8	1.7
ERP12		100	1.9	12.0	21.8	1.7
EBP9	1.5 – 2.5	100	1.9	9.0	18.8	2.3
EBP12		100	1.9	12.0	21.8	2.3
EYP14	4.0 – 6.0	100	2.8	14.0	27.0	3.4

All dimensions are in mm



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

Max voltage rating: 600V
Max. current rating:
Red : 19A
Blue : 27A
Yellow : 48A

Features

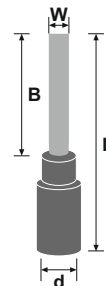
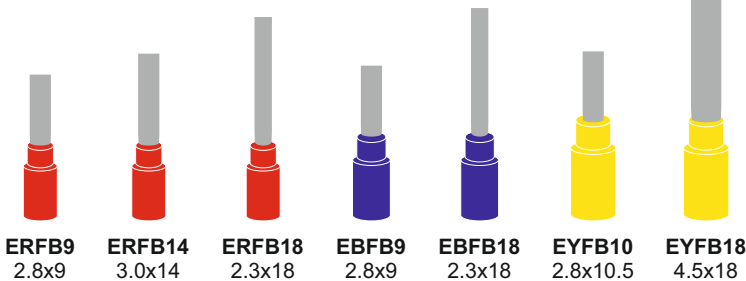
Zero Halogen
Flared barrel
Simple wire insertion
Low insertion force
Easy to crimp
Secure termination



Blade Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Blade (W)	Blade (B)	Length (L)	Dia (d)
ERFB9	0.5 – 1.5	100	2.8	9.0	19.3	1.7
ERFB14		100	3.0	14.0	24.3	1.7
ERFB18		100	2.3	18.0	27.8	1.7
EBFB9	1.5 – 2.5	100	2.8	9.0	19.3	2.3
EBFB18		100	2.3	18.0	27.8	2.3
EYFB10	4.0 – 6.0	100	2.8	10.5	23.5	3.4
EYFB18		100	4.5	18.0	23.0	3.4

All dimensions are in mm



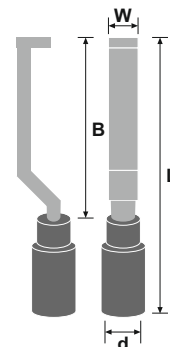
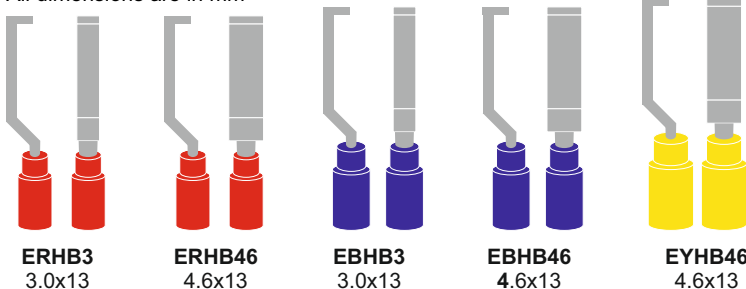
Tooling

Ratchet action crimp tool
For pre-insulated terminals
Range : 0.5mm² to 6.0mm²
Tool length: 242mm
Weight: 0.5 kgs
Part Number : **ERT6**

Hooked Blade Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Blade (W)	Blade (B)	Length (L)	Dia (d)
ERHB3	0.5 – 1.5	100	3.0	13.0	27.7	1.7
ERHB46		100	4.6	13.0	27.7	1.7
EBHB3	1.5 – 2.5	100	3.0	13.0	27.7	2.3
EBHB46		100	4.6	13.0	27.7	2.3
EYHB46	4.0 – 6.0	100	4.6	13.0	30.7	3.4

All dimensions are in mm



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Piggyback Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Thick (T)	Length (L)	Dia (d)
ERPBF63-8	0.5 – 1.5	100	6.3	0.8	22.5	1.7
EBPBF63-8	1.5 – 2.5	100	6.3	0.8	22.5	2.3
EYPBF63-8	4.0 – 6.0	100	6.3	0.8	24.0	3.4

All dimensions are in mm



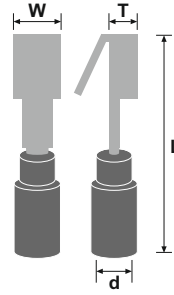
ERPBF63-8
6.3x0.8



EBPBF63-8
6.3x0.8



EYPBF63-8
6.3x0.8



Bullet Connectors Male Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Dia (D)	Bullet (B)	Length (L)	Dia (d)
ERBM4	0.5 – 1.5	100	4.0	10.5	21.5	1.7
EBBM4	1.5 – 2.5	100	4.0	10.5	21.7	2.3
EBBM5	1.5 – 2.5	100	5.0	10.5	21.2	2.3
EYBM5	4.0 – 6.0	100	5.0	13.0	24.0	3.4

All dimensions are in mm



ERBM4
4.0x11



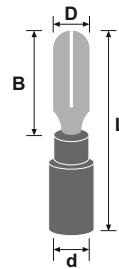
EBBM4
4.0x11



EBBM5
5.0x11



EYBM5
5.0x13



Bullet Connectors Female Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Dia (D)	Bullet (B)	Length (L)	Dia (d)
ERBF4	0.5 – 1.5	100	4.0	10.5	23.3	1.7
EBBF4	1.5 – 2.5	100	4.0	10.5	23.3	2.3
EBBF5	1.5 – 2.5	100	5.0	10.5	23.3	2.3
EYBF5	4.0 – 6.0	100	5.0	13.0	25.1	3.4

All dimensions are in mm



ERBF4
4.0x23



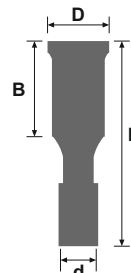
EBBF4
4.0x23



EBBF5
5.0x23



EYBF4
5.0x25



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

Max voltage rating: 600V
Max. current rating:
Red : 19A
Blue : 27A
Yellow : 48A

Features

Zero Halogen
Flared barrel
Simple wire insertion
Low insertion force
Easy to crimp
Secure termination

Tooling

Ratchet action crimp tool
For pre-insulated terminals
Range : 0.5mm² to 6.0mm²
Tool length: 242mm
Weight: 0.5 kgs
Part Number : **ERT6**



Butt Connector Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Dia (D)	Length (L)	Dia (d)
ERBC	0.5 – 1.5	100	4.0	24.6	1.7
EBBC	1.5 – 2.5	100	4.5	24.6	2.3
EYBC	4.0 – 6.0	100	6.3	26.5	3.4

All dimensions are in mm



ERBC
1.7x24



EBBC
2.3x24



EYBC
3.4x27



Closed End Connectors Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Dia (D)	Length (L)	Dia (d)
ERCEC	0.5 – 1.5	100	8.0	21.0	2.3
EBCEC	1.5 – 2.5	100	8.0	21.0	3.1
EYCEC	4.0 – 6.0	100	10.0	25.5	4.0

All dimensions are in mm



ERCEC
2.3x21



EBCEC
3.1x21



EYCEC
4.0x26



Push-on Flag Pre-insulated terminals

Part Number	Range (mm ²)	Pack Qty (pcs)	Width (W)	Thick (T)	Length (L)	Dia (d)
ERFLAG63-8	0.5 – 1.5	100	6.3	0.8	16.0	1.7
EBFLAG63-8	1.5 – 2.5	100	6.3	0.8	16.5	3.4

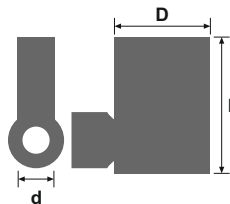
All dimensions are in mm



ERFLAG63-8
6.3x0.8



EBFLAG63-8
6.3x0.8



Technical Data



Material

Conductor: Copper

Plating: Tin

Insulation: Vinyl

Operating temperature

-10°C to +75°C

Ratings

Max voltage rating: 600V

Max. current rating:

Red : 19A

Blue : 27A

Yellow : 48A

Features

Zero Halogen

Flared barrel

Simple wire insertion

Low insertion force

Easy to crimp

Secure termination

Tooling

Ratchet action crimp tool

For pre-insulated terminals

Range : 0.5mm² to 6.0mm²

Tool length: 242mm

Weight: 0.5 kgs

Part Number : **ERT6**



Ratchet action crimp tool

For pre-insulated **flag** terminals only

Range : 0.5mm² to 6.0mm²

Tool length: 205mm

Weight: 0.5 kgs

Part Number : **EFTCT1**



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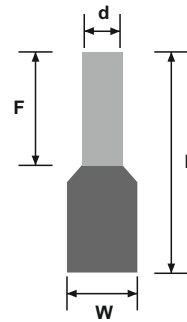
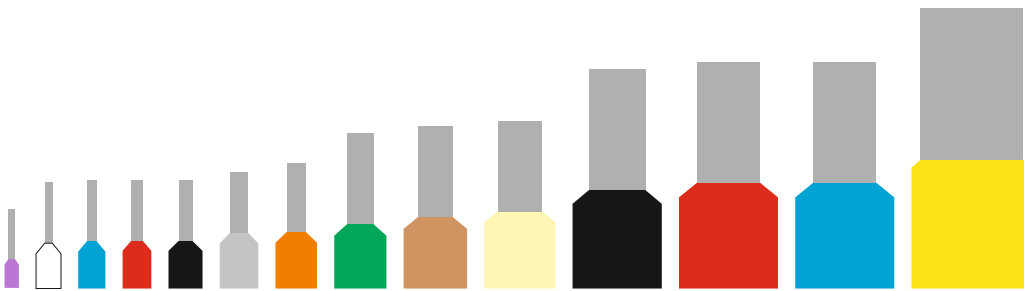
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Cord End Terminals French colour coding

Part Number	Colour (French)	Wire (mm ²)	Pack Qty (pcs)	Width (W)	Length (L)	Ferrule (F)	Dia (d)
ECE0.25VIO	VIOLET	0.20	100	1.9	10.4	6.5	0.8
ECE0.5WHT	WHITE	0.50	100	3.3	14.0	8.0	1.0
ECE0.75BLU	BLUE	0.75	100	3.6	14.3	8.0	1.2
ECE1.0RED	RED	1.00	100	3.8	14.6	8.0	1.5
ECE1.5BLK	BLACK	1.50	100	4.5	14.6	8.0	1.8
ECE2.5GREY	GREY	2.50	100	5.1	15.4	8.0	2.3
ECE4.0ORA	ORANGE	4.00	100	5.5	16.5	9.0	2.5
ECE6.0GRN	GREEN	6.00	100	6.9	20.5	12.0	3.5
ECE10BRN	BROWN	10.00	100	8.4	21.5	12.0	4.5
ECE16IVY	IVORY	16.00	100	9.4	22.2	12.0	5.8
ECE25BLK	BLACK	25.00	100	11.8	29.0	16.0	7.5
ECE35RED	RED	35.00	100	13.1	30.0	16.0	8.3
ECE50BLU	BLUE	50.00	100	15.0	36.0	19.0	10.3
ECE70YEL	YELLOW	70.00	100	16.0	37.0	20.0	13.5

All dimensions are in mm



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-40°C to +105°C

Ratings

Max voltage rating: 600V

Features

Zero Halogen
Flared barrel
Easy wire insertion

Tooling

Ratchet action crimp tools
Ergonomic anti-slip handles
Pressure adjustable tensioner

Cord end terminals : 0.5 to 10mm²

Tool length: 230mm

Weight: 0.6 kgs

Part Number : **ECET6**



Cord end terminals : 4 to 16mm²

Tool length: 230mm

Weight: 0.6 kgs

Part Number : **ECET16**



Cord end terminals : 16 to 35mm²

Tool length: 240mm

Weight: 0.6 kgs

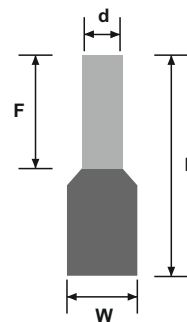
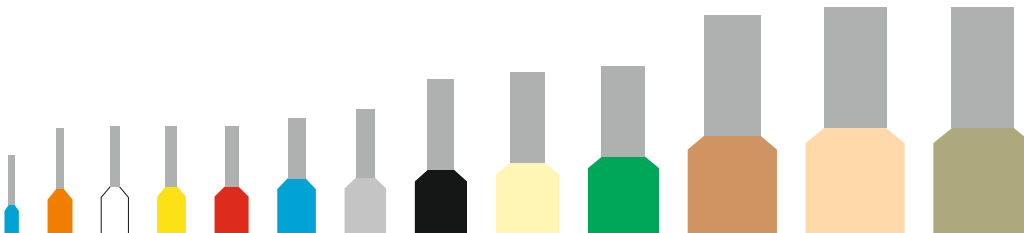
Part Number : **ECET35**



Cord End Terminals German colour coding

Part Number	Colour (German)	Wire (mm ²)	Pack Qty (pcs)	Width (W)	Length (L)	Ferrule (F)	Dia (d)
ECE0.25BLU	BLUE	0.20	100	1.9	10.4	6.5	0.8
ECE0.5ORA	ORANGE	0.50	100	3.3	14.0	8.0	1.0
ECE0.75WHT	WHITE	0.75	100	3.6	14.3	8.0	1.2
ECE1.0YEL	YELLOW	1.00	100	3.8	14.6	8.0	1.5
ECE1.5RED	RED	1.50	100	4.5	14.6	8.0	1.8
ECE2.5BLU	BLUE	2.50	100	5.1	15.4	8.0	2.3
ECE4.0GREY	GREY	4.00	100	5.5	16.5	9.0	2.5
ECE6.0BLK	BLACK	6.00	100	6.9	20.5	12.0	3.5
ECE10IVY	IVORY	10.00	100	8.4	21.5	12.0	4.5
ECE16GRN	GREEN	16.00	100	9.4	22.2	12.0	5.8
ECE25BRN	BROWN	25.00	100	11.8	29.0	16.0	7.5
ECE35BEI	BEIGE	35.00	100	13.1	30.0	16.0	8.3
ECE50OLV	OLIVE	50.00	100	15.0	36.0	19.0	10.3

All dimensions are in mm

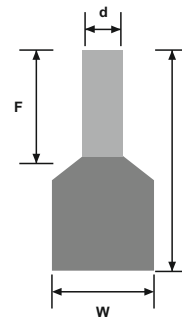


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Cord End Terminals Dual entry

Part Number	Colour (mm ²)	Wire (mm ²)	Pack Qty (pcs)	Width (W)	Length (L)	Ferrule (F)	Dia (d)
EDET0.5WHT	WHITE	0.50	100	5.0	14.5	8.0	1.5
EDET0.75GREY	GREY	0.75	100	5.1	14.7	8.0	1.8
EDET1.0RED	RED	1.00	100	5.5	15.1	8.0	2.0
EDET1.5BLK	BLACK	1.50	100	6.6	15.5	8.0	2.3
EDET2.5BLU	BLUE	2.50	100	7.9	18.5	10.0	2.9
EDET4.0GREY	GREY	4.00	100	8.9	23.1	12.0	3.8
EDET6.0YEL	YELLOW	6.00	100	14.5	26.1	14.0	4.9
EDET10.0RED	RED	10.00	100	12.5	26.6	14.0	6.5
EDET16.0BLU	BLUE	16.00	100	23.7	31.3	16.0	8.3

All dimensions are in mm



Technical Data



Material

Conductor: Copper
Plating: Tin
Insulation: Vinyl

Operating temperature

-40°C to +105°C

Ratings

Max voltage rating: 600V

Features

Zero Halogen
Flared barrel
Easy wire insertion

Tooling

Ratchet action crimp tools
Ergonomic anti-slip handles
Pressure adjustable tensioner

Dual entry terminals : 0.5 to 16mm²

Tool length: 230mm

Weight: 0.6 kgs

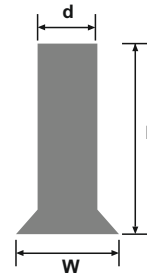
Part Number : **EDCET35**



Cord End Un-insulated terminals

Part Number	Wire (mm ²)	Pack Qty (pcs)	Width (W)	Length (L)	Dia (d)
EUCE0.5-6	0.5	100	1.7	6.0	1.0
EUCE0.75-6	0.75	100	1.9	6.0	1.2
EUCE0.75-10	0.75	100	1.9	10.0	1.2
EUCE1.0-6	1.00	100	2.2	6.0	1.5
EUCE1.0-10	1.00	100	2.2	10.0	1.5
EUCE1.5-7	1.50	100	2.5	7.0	1.8
EUCE1.5-10	1.50	100	2.5	10.0	1.8
EUCE2.5-7	2.5	100	3.3	7.0	2.3
EUCE2.5-12	2.5	100	3.3	12.0	2.3
EUCE4.0-9	4.0	100	3.9	9.0	2.8
EUCE4.0-12	4.0	100	3.9	12.0	2.8
EUCE6.0-12	6.0	100	4.8	12.0	3.5
EUCE6.0-15	6.0	100	4.8	15.0	3.5
EUCE10-12	10.0	100	5.8	12.0	4.5
EUCE10-18	10.0	100	5.8	18.0	4.5
EUCE16-12	16.0	100	7.2	12.0	5.8
EUCE25-15	25.0	100	9.1	15.0	7.5
EUCE35-18	35.0	100	10.2	18.0	8.3

All dimensions are in mm



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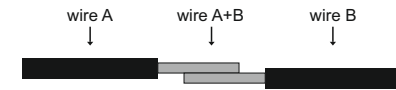
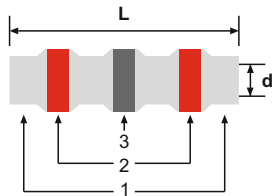
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Heat Shrink Solder sleeve connectors

Transparent insulation sleeve provides encapsulation, inspectability, strain relief, and insulation. Prefluxed solder preform provides a controlled soldering process. The one-piece design offers easy installation and lower installed cost.



Part Number	Range (mm ²)	Pack (pcs)	Dia (d)	Length (L)	Wire A (Min)	Wire A+B (Max)	Wire B (Min)
EHSBC-CLR	0.25 – 0.34	100	1.7	26.0	0.4	1.7	0.76
EHSBC-RED	0.5 – 1.0	100	2.7	40.0	1.3	2.7	1.2
EHSBC-BLU	1.5 – 2.5	100	4.5	40.0	1.8	4.5	2.0
EHSBC-YEL	4.0 – 6.0	100	6.0	40.0	2.8	6.0	3.4



1. Heat shrinkable clear sleeve
2. Glue rings
3. Solder ring with flux

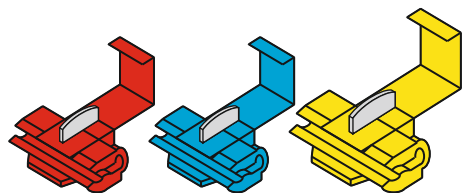
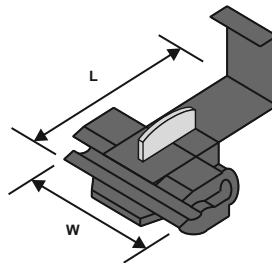
Quick Splice Low voltage connectors

Quick Splices are a fast and easy way to splice into an existing wire. No stripping of the wires is necessary, and no special tools are required. Simply insert both wires into the splice, squeeze down on the metal insert with pliers, and close the cap. An ideal solution and can be used in many low voltage applications.

A fast, dependable connection.



Part Number	Range (mm ²)	Pack (pcs)	Width (W)	Length (L)
ERCT	0.5 – 1.0	100	20.0	27.0
EBCT	1.5 – 2.5	100	20.0	27.0
EYCT	4.0 – 6.0	100	20.5	34.5



Technical Data



Material

Transparent radiation cross linked modified polyolefin
 Insulation: Polyethylene
 Solder ring with flux
 Glue ring adhesive

Operating temperature

-45°C to +125°C

Shrink temperature

+125°C >

Ratings

Max voltage rating: 600V

Dielectric strength : 25 Kv/mm



Material

Conductor : Brass
 Insulation : Nylon
 Plating : Tin

Operating temperature

-45°C to +105°C

Ratings

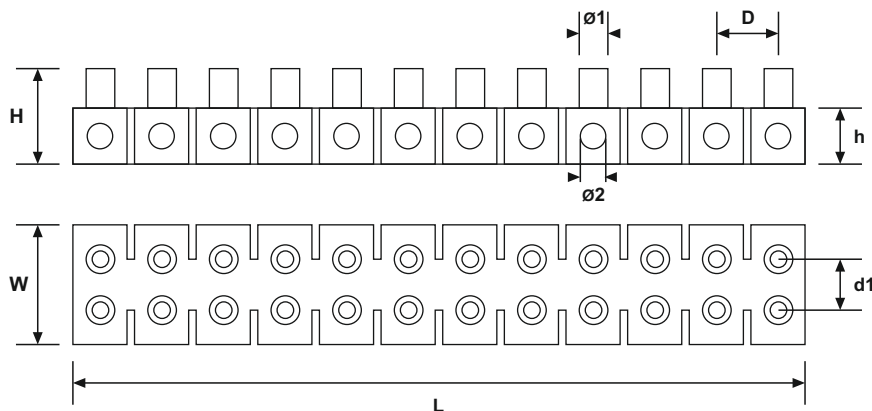
Max voltage rating: 600V

12 Way Connector Strips

Connector strips provide a simple and secure solution to protect and insulate electrical connections. Manufactured from Polyethylene with brass insert connectors and galvanised screws. Flexible, easy to cut, low-cost with raised captive screws for easy wiring.



Part Number	Cross Section	Current Rating	Rated Voltage	Dimensions (mm)							
				L	W	Ø1	Ø2	D	d1	H	h
CS12X05A	6mm ²	5-32A	380V	115	18.8	3.3	2.6	10.0	8.0	15.0	8.8
CS12X15A	12mm ²	15-61A	400V	137	22.5	4.5	2.8	12.0	10.0	18.8	10.2
CS12X30A	16mm ²	30-76A	400V	165	25.5	5.5	3.0	14.0	11.0	19.8	11.2
CS12X60A	25mm ²	60-101A	400V	187	31.2	6.5	3.8	16.5	13.0	25.5	14.8
CS12X05A-B	6mm ²	5-32A	380V	115	18.8	3.3	2.6	10.0	8.0	15.0	8.8
CS12X15A-B	12mm ²	15-61A	400V	137	22.5	4.5	2.8	12.0	10.0	18.8	10.2
CS12X30A-B	16mm ²	30-76A	400V	165	25.5	5.5	3.0	14.0	11.0	19.8	11.2
CS12X60A-B	25mm ²	60-101A	400V	187	31.2	6.5	3.8	16.5	13.0	25.5	14.8



Cable Preparation Tooling

ECT1 - Multi-purpose tool to cut, strip and crimp

Wire stripper for 0.75 to 6.0mm² c/w wire cutter option
Bolt cutter for M2.6, M3, M3.5, M4 and M5
Crimps pre-insulated and non-insulated terminals 1.5 to 6.0mm²



ECT1

Length : 240mm
Weight : 0.4kgs

EWS6 - Wire stripper

Strip and cut wire 0.15 to 6.0mm²
Robust metal construction and easy grip handle
Crimps pre-insulated and non-insulated terminals 1.5 to 6.0mm²



EWS6

Length : 205mm
Weight : 0.25kgs

ECC38 - Light duty cable cutter up to 38mm²

Suitable for copper and aluminium cable up to 38mm²
The blade design ensures a clean cut without distortion
Easy grip, soft-feel insulated handles.



ECC38

Length : 205mm
Weight : 0.3kgs

ECC80 - Medium duty cable cutter up to 80mm²

Suitable for copper and aluminium non-armoured cable
The precision blade design ensures a clean cut
Easy grip, cushioned handles to reduce operator fatigue



ECC80

Length : 320mm
Weight : 0.75kgs

ECC250 - Heavy duty cable cutter up to 250mm²

Suitable for copper and aluminium non-armoured cable
The precision blade design ensures a clean cut
Extra long handles to reduce operator effort and fatigue



ECC250

Length : 600mm
Weight : 1.6kgs

Technical Data



Material

Polyethylene
Brass insert connectors
Galvanised steel captive screws

Operating temperature

-15°C to +80°C

Standard

CE

Colours

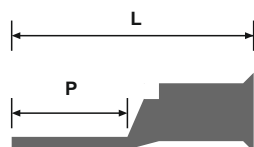
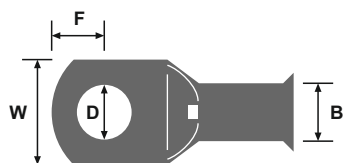
Black or Natural

Pack size

1 x 12 way strip

Copper Tube Terminals

Part Number	Wire Size (mm ²)	Pack Qty (pcs)	Stud Size (mm)	Dia (D) (mm)	Width (W) (mm)	Length (L) (mm)	Barrel (B) (mm)	To Edge (F) (mm)	Palm (P) (mm)
ECL6-4	6	20	4	4.5	10	23	3.8	5.0	11.0
ECL6-5	6	20	5	5.2	10	23	3.8	5.0	11.0
ECL6-6	6	20	6	6.5	10	23	3.8	5.0	11.0
ECL6-8	6	20	8	8.2	12	27	3.8	6.0	15.0
ECL6-10	6	20	10	10.5	12	27	3.8	6.0	15.0
ECL10-5	10	20	5	5.2	12	30	4.5	6.0	13.0
ECL10-6	10	20	6	6.5	12	30	4.5	6.0	13.0
ECL10-8	10	20	8	8.2	12	30	4.5	6.0	15.0
ECL10-10	10	20	10	10.5	15	34	4.5	8.5	19.0
ECL10-12	10	20	12	12.7	15	34	4.5	8.5	19.0
ECL16-5	16	20	5	5.2	12	30	5.4	7.0	14.0
ECL16-6	16	20	6	6.5	12	30	5.4	7.0	14.0
ECL16-8	16	20	8	8.2	12	32	5.4	7.0	16.0
ECL16-10	16	20	10	10.5	15	36	5.4	8.0	20.0
ECL16-12	16	20	12	12.7	16	36	5.4	8.0	20.0
ECL25-6	25	20	6	6.5	13	32	6.8	6.0	13.0
ECL25-8	25	20	8	8.2	13	32	6.8	6.0	13.0
ECL25-10	25	20	10	10.5	16	37	6.8	9.0	20.0
ECL25-12	25	20	12	12.7	18	37	6.8	11.0	24.0
ECL35-6	35	10	6	6.5	15	35	8.2	9.0	18.0
ECL35-8	35	10	8	8.2	15	35	8.2	9.0	18.0
ECL35-10	35	10	10	10.5	15	41.5	8.2	9.0	18.0
ECL35-12	35	10	12	12.7	18	41.5	8.2	9.0	18.0
ECL35-14	35	10	14	14.7	18	41.5	8.2	9.0	18.0
ECL50-6	50	10	6	6.5	18	43	9.5	10.0	21.0
ECL50-8	50	10	8	8.2	18	43	9.5	10.0	21.0
ECL50-10	50	10	10	10.5	18	43	9.5	10.0	21.0
ECL50-12	50	10	12	12.7	18	43	9.5	10.0	21.0
ECL50-14	50	10	14	14.7	18	43	9.5	10.0	21.0
ECL50-16	50	10	16	17.0	18	43	9.5	10.0	21.0
ECL70-6	70	10	6	6.5	21	50	11.2	12.0	25.0
ECL70-8	70	10	8	8.2	21	50	11.2	12.0	25.0
ECL70-10	70	10	10	10.5	21	50	11.2	12.0	25.0
ECL70-12	70	10	12	12.7	21	50	11.2	12.0	25.0
ECL70-14	70	10	14	14.7	21	50	11.2	12.0	25.0
ECL70-16	70	10	16	17.0	21	50	11.2	12.0	25.0
ECL95-8	95	10	8	8.2	25	55	13.5	13.0	26.0
ECL95-10	95	10	10	10.5	25	55	13.5	13.0	26.0
ECL95-12	95	10	12	12.7	25	55	13.5	13.0	26.0
ECL95-14	95	10	14	14.7	25	55	13.5	13.0	26.0
ECL95-16	95	10	16	17.0	25	55	13.5	13.0	26.0
ECL95-20	95	10	20	21.0	25	55	13.5	13.0	26.0
ECL120-8	120	10	8	8.2	28	60	15.0	14.0	28.0
ECL120-10	120	10	10	10.5	28	60	15.0	14.0	28.0
ECL120-12	120	10	12	12.7	28	60	15.0	14.0	28.0
ECL120-14	120	10	14	14.7	28	60	15.0	14.0	28.0
ECL120-16	120	10	16	17.0	28	60	15.0	14.0	28.0



Technical Data



Material

Body : Copper

Plating : Bright electro tin

Rating

Max voltage rating: 3.3kV

Features

Bell mouth for easy cable entry

Excellent conductivity

Corrosion resistant

Suitable for heavy duty applications

Inspection hole

Tooling

Ratchet action crimp tools

Ergonomic anti-slip handles

Terminal range : 1.5 to 10mm²

Tool length: 275mm

Weight: 0.6 kgs

Part Number : **ECT16**



Terminal range : 6 to 50mm²

Tool length: 390mm

Weight: 1.3 kgs

Part Number : **ECT50**



Terminal range : 25 to 150mm²

Tool length: 620mm

Weight: 4.0 kgs

Part Number : **ECT150**

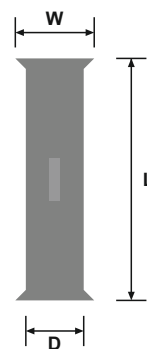


Copper Tube Terminals (continued)

Part Number	Wire Size (mm ²)	Pack Qty (pcs)	Stud Size (mm)	Dia (D) (mm)	Width (W) (mm)	Length (L) (mm)	Barrel (B) (mm)	To Edge (F) (mm)	Palm (P) (mm)
ECL150-8	150	5	8	8.2	30	69	16.5	16.0	32.0
ECL150-10	150	5	10	10.5	30	69	16.5	16.0	32.0
ECL150-12	150	5	12	12.7	39	69	16.5	16.0	32.0
ECL150-14	150	5	14	14.7	30	69	16.5	16.0	32.0
ECL150-16	150	5	16	17.0	30	69	16.5	16.0	32.0
ECL150-20	150	5	20	21.0	30	69	16.5	16.0	32.0
ECL185-10	185	5	10	10.5	34	78	18.5	17.0	34.0
ECL185-12	185	5	12	12.7	34	78	18.5	17.0	34.0
ECL185-14	185	5	14	14.7	34	78	18.5	17.0	34.0
ECL185-16	185	5	16	17.0	34	78	18.5	17.0	34.0
ECL185-20	185	5	20	21.0	34	78	18.5	17.0	34.0
ECL240-10	240	5	10	10.5	38	92	21.0	20.0	40.0
ECL240-12	240	5	12	12.7	38	92	21.0	20.0	40.0
ECL240-14	240	5	14	14.7	38	92	21.0	20.0	40.0
ECL240-16	240	5	16	17.0	38	92	21.0	20.0	40.0
ECL240-20	240	5	20	21.0	38	92	21.0	20.0	40.0
ECL300-10	300	1	10	10.5	41	97	23.0	22.0	40.0
ECL300-12	300	1	12	12.7	41	97	23.0	22.0	40.0
ECL300-14	300	1	14	14.7	41	97	23.0	22.0	40.0
ECL300-16	300	1	16	17.0	41	97	23.0	22.0	40.0
ECL400-12	400	1	12	12.7	48	108	27.0	24.0	44.0
ECL400-14	400	1	14	14.7	48	108	27.0	24.0	44.0
ECL400-16	400	1	16	17.0	48	108	27.0	24.0	44.0
ECL500-14	500	1	14	14.7	53.5	124	30.0	25.0	56.5
ECL500-16	500	1	16	17.0	53.5	124	30.0	25.0	56.5
ECL500-20	500	1	20	21.0	53.5	124	30.0	25.0	56.5

Copper Tube Butt connectors

Part Number	Wire Size (mm ²)	Pack Qty (pcs)	Dia (D)	Width (W)	Length (L)
ECB6	6	50	3.8	5.5	15
ECB10	10	25	4.5	6.2	20
ECB16	16	25	5.4	7.1	20
ECB25	25	25	6.8	8.8	32
ECB35	35	25	8.2	10.6	36
ECB50	50	10	9.5	12.4	40
ECB70	70	10	11.2	14.7	45
ECB95	95	10	13.5	17.4	45
ECB120	120	4	15.0	19.4	45
ECB150	150	4	16.5	21.2	55
ECB185	185	4	18.5	23.5	60
ECB240	240	4	21.0	26.5	80
ECB300	300	4	23.5	30.0	85
ECB400	400	4	28.5	36.5	85
ECB500	500	2	30.0	39.0	100
ECB630	630	2	35.0	45.0	110



Technical Data



Material

Body : Copper

Plating : Bright electro tin

Rating

Max voltage rating: 3.3kV

Features

Bell mouth for easy cable entry

Excellent conductivity

Corrosion resistant

Suitable for heavy duty applications

Inspection hole

Tooling

Ratchet action crimp tools

Ergonomic anti-slip handles

Terminal range : 1.5 to 10mm²

Tool length: 275mm

Weight: 0.6 kgs

Part Number : **ECT16**

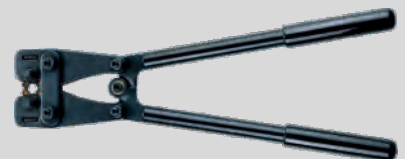


Terminal range : 6 to 50mm²

Tool length: 390mm

Weight: 1.3 kgs

Part Number : **ECT50**



Terminal range : 25 to 150mm²

Tool length: 620mm

Weight: 4.0 kgs

Part Number : **ECT150**



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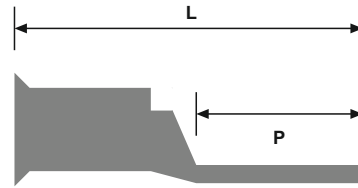
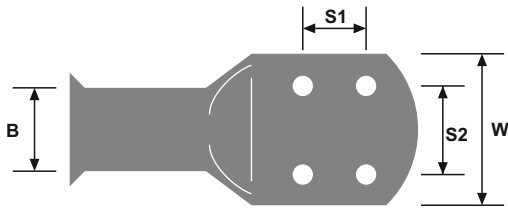
info@expresselectrical.ae

Copper Tube 4 hole transformer terminals

With a 4 x M8 stud fixing these transformer lugs are suitable for use with termination connections requiring holes with 25 x 35mm centres, found on the most common transformers. Manufactured from high grade electro tin plated copper tube and with a flared entry barrel to allow flexible and stranded cables to be inserted with ease.



Part Number	Wire Size (mm ²)	Pack Size (pcs)	Stud Size	Stud Centres (S1)	Stud Centres (S2)	Barrel Dia. (B)	Palm Width (W)	Palm Length (P)	Total Length (L)
ETL185-4	185	1	4 x M8	25	35	18.5	34.0	34.0	78.0
ETL240-4	240	1	4 x M8	25	35	21.0	38.0	40.0	92.0
ETL300-4	300	1	4 x M8	25	35	23.0	41.0	40.0	97.0
ETL400-4	400	1	4 x M8	25	35	27.0	48.0	44.0	108.0
ETL500-4	500	1	4 x M8	25	35	30.0	53.5	56.5	124.0
ETL630-4	630	1	4 x M8	25	35	33.5	61.0	60.0	144.0



Technical Data



Material

Body : Copper

Plating : Bright electro tin

Features

Bell mouth for easy cable entry

Excellent conductivity

Corrosion resistant

Suitable for heavy duty applications

Capatible with most transformer

Four hole lug design

Suits most transformer fixings

BW Cable gland kits

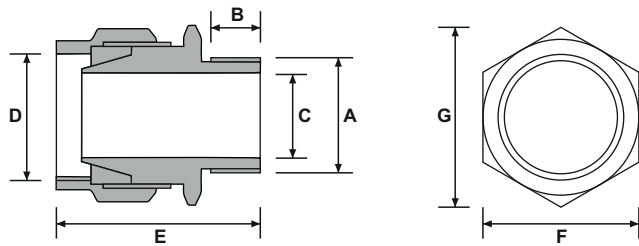
BW brass glands are suitable for indoor applications when a waterproof seal is not required. The gland clamps the cable ensuring electrical continuity and mechanical retention of the cable. Suitable for use with SWA cable.

Glands are manufactured to BS6121:Part 1 and IP54 rated.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Cable Bedding Diameter (C)	Overall Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
BW20S	M20	10	12.3	17.0	27.0	21.0	23.2	2
BW20	M20	10	14.3	20.0	28.0	23.5	26.0	2
BW25	M25	10	20.4	27.0	29.75	31.5	35.5	2
BW32	M32	10	26.5	33.5	36.35	40.0	44.3	2
BW40	M40	15	33.0	41.5	43.5	49.5	55.0	1
BW50	M50	15	44.0	54.0	46.75	62.5	70.0	1
BW63	M63	15	56.0	65.0	49.0	76.0	84.0	1
BW75	M75	15	67.5	78.5	52.0	89.5	100.0	1

All dimensions are in mm



BW LSF Shrouds

Part Number	Description	Pack
EGS20BW-LSF	M20 LSF Shroud for BW Gland	2
EGS25BW-LSF	M25 LSF Shroud for BW Gland	2
EGS32BW-LSF	M32 LSF Shroud for BW Gland	2
EGS40BW-LSF	M40 LSF Shroud for BW Gland	1
EGS50BW-LSF	M50 LSF Shroud for BW Gland	1
EGS63BW-LSF	M63 LSF Shroud for BW Gland	1
EGS75BW-LSF	M75 LSF Shroud for BW Gland	1



Brass Earth Tags

Part Number	Description	Pack
EET20B	M20 Brass Earth Tag	1
EET25B	M25 Brass Earth Tag	1
EET32B	M32 Brass Earth Tag	1
EET40B	M40 Brass Earth Tag	1
EET50B	M50 Brass Earth Tag	1
EET63B	M63 Brass Earth Tag	1
EET75B	M75 Brass Earth Tag	1



Brass Locknuts

Part Number	Description	Pack
ELN20B	M20 Brass Locknut	1
ELN25B	M25 Brass Locknut	1
ELN32B	M32 Brass Locknut	1
ELN40B	M40 Brass Locknut	1
ELN50B	M50 Brass Locknut	1
ELN63B	M63 Brass Locknut	1
ELN75B	M75 Brass Locknut	1



Technical Data



Applications

Indoor use
When waterproof seal NOT required
Suitable for SWA cable
Glands to BS6121:Part 1

IP Rating

IP54

Kit contents

BW20S to BW32

2 x brass glands
2 x galvanised steel locknuts
2 x brass earth tags
2 x PVC shrouds

BW40 to BW75

1 x brass gland
1 x galvanised steel locknut
1 x brass earth tag
1 x PVC shroud

LSF shrouds, brass locknuts and additional brass earth tags are available to purchase individually.

BW LSF Shrouds

Zero Halogen
Low smoke
Self-extinguishing
UL94 V0 rated

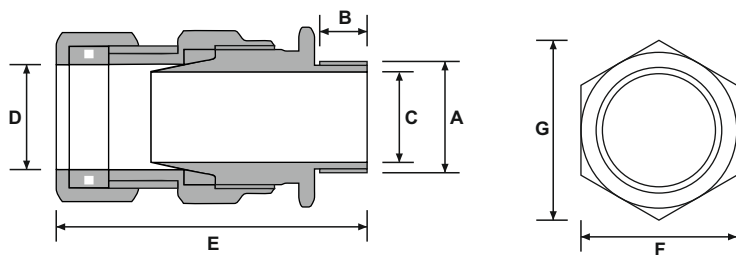
CW Cable gland kits

CW brass glands are suitable for indoor and outdoor applications and meet IP66 requirements. The gland clamps the cable ensuring electrical continuity and mechanical retention of the cable. Suitable for use with SWA cable. Glands are manufactured to BS6121 : Part 1.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Cable Bedding Diameter (C)	Overall Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
CW20S	M20	10	12.5	15.0	42.0	21.8	23.8	2
CW20	M20	10	14.3	19.0	42.0	25.8	29.0	2
CW25	M25	10	20.7	27.0	44.0	36.0	39.0	2
CW32	M32	10	27.0	32.5	46.0	43.5	48.8	2
CW40	M40	15	33.25	39.0	50.0	49.0	54.4	1
CW50	M50	15	44.0	50.0	57.0	62.0	68.8	1
CW63	M63	15	56.0	62.0	61.0	78.9	87.3	1
CW75	M75	15	67.5	78.5	66.0	91.0	110.0	1

All dimensions are in mm



CW LSF Shrouds

Part Number	Description	Pack
EGS20CW-LSF	M20 LSF Shroud for CW Gland	2
EGS25CW-LSF	M25 LSF Shroud for CW Gland	2
EGS32CW-LSF	M32 LSF Shroud for CW Gland	2
EGS40CW-LSF	M40 LSF Shroud for CW Gland	1
EGS50CW-LSF	M50 LSF Shroud for CW Gland	1
EGS63CW-LSF	M63 LSF Shroud for CW Gland	1
EGS75CW-LSF	M75 LSF Shroud for CW Gland	1



Brass Earth Tags

Part Number	Description	Pack
EET20B	M20 Brass Earth Tag	1
EET25B	M25 Brass Earth Tag	1
EET32B	M32 Brass Earth Tag	1
EET40B	M40 Brass Earth Tag	1
EET50B	M50 Brass Earth Tag	1
EET63B	M63 Brass Earth Tag	1
EET75B	M75 Brass Earth Tag	1



Brass Locknuts

Part Number	Description	Pack
ELN20B	M20 Brass Locknut	1
ELN25B	M25 Brass Locknut	1
ELN32B	M32 Brass Locknut	1
ELN40B	M40 Brass Locknut	1
ELN50B	M50 Brass Locknut	1
ELN63B	M63 Brass Locknut	1
ELN75B	M75 Brass Locknut	1



Technical Data



Applications

Indoor and outdoor use
Use where waterproof seal is required
Suitable for SWA cable
Glands to BS6121:Part 1

IP Rating

IP66

Kit contents

CW20S to CW32

2 x brass glands
2 x galvanised steel locknuts
2 x brass earth tags
2 x PVC shrouds

CW40 to CW75

1 x brass gland
1 x galvanised steel locknut
1 x brass earth tag
1 x PVC shroud

LSF shrouds, brass locknuts and additional brass earth tags are available to purchase individually.

CW LSF Shrouds

Zero Halogen
Low smoke
Self-extinguishing
UL94 V0 rated

CWLK “Long thread” Cable gland kits

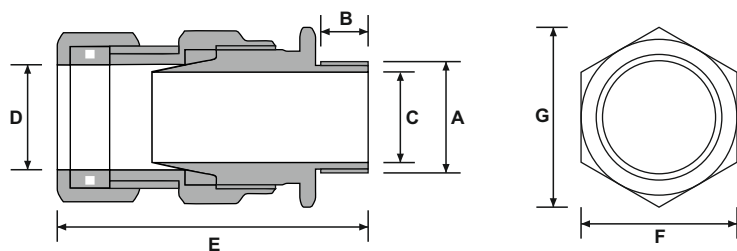
CW brass glands are suitable for indoor and outdoor applications and meets IP66 requirements. The gland clamps to the cable ensuring electrical continuity and mechanical retention of the cable. Suitable for use with SWA cable.

These glands have a longer thread than standard CW glands.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Cable Bedding Diameter (C)	Overall Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
CWLK16/20	M20	16	8.4	13.5	74.0	24.0	26.5	2
CWLK20S	M20	16	11.7	16.0	74.0	24.0	26.5	2
CWLK20	M20	16	14.0	21.1	74.0	30.0	33.0	2
CWLK25	M25	16	20.0	27.4	74.0	37.6	41.4	2
CWLK32	M32	16	26.3	34.0	81.0	46.0	50.6	2
CWLK40	M40	16	32.2	40.6	88.0	55.0	60.5	1
CWLK50	M50	16	44.1	53.2	89.0	65.0	71.5	1
CWLK63	M63	19	56.0	68.5	95.0	80.0	88.0	1

All dimensions are in mm



CW LSF Shrouds

Part Number	Description	Pack
EGS20CW-LSF	M20 LSF Shroud for CW Gland	2
EGS25CW-LSF	M25 LSF Shroud for CW Gland	2
EGS32CW-LSF	M32 LSF Shroud for CW Gland	2
EGS40CW-LSF	M40 LSF Shroud for CW Gland	1
EGS50CW-LSF	M50 LSF Shroud for CW Gland	1
EGS63CW-LSF	M63 LSF Shroud for CW Gland	1
EGS75CW-LSF	M75 LSF Shroud for CW Gland	1

Brass Earth Tags

Part Number	Description	Pack
EET20B	M20 Brass Earth Tag	1
EET25B	M25 Brass Earth Tag	1
EET32B	M32 Brass Earth Tag	1
EET40B	M40 Brass Earth Tag	1
EET50B	M50 Brass Earth Tag	1
EET63B	M63 Brass Earth Tag	1
EET75B	M75 Brass Earth Tag	1



Brass Locknuts

Part Number	Description	Pack
ELN20B	M20 Brass Locknut	1
ELN25B	M25 Brass Locknut	1
ELN32B	M32 Brass Locknut	1
ELN40B	M40 Brass Locknut	1
ELN50B	M50 Brass Locknut	1
ELN63B	M63 Brass Locknut	1
ELN75B	M75 Brass Locknut	1



Technical Data



Applications

Indoor and outdoor use

Use where waterproof seal is required

Suitable for SWA cable

Glands to BS6121:Part 1

IP Rating

IP66

Kit contents

CWLK16/20 to CWLK32

2 x brass glands

2 x galvanised steel locknuts

2 x brass earth tags

2 x PVC shrouds

CWLK40 to CWLK63

1 x brass gland

1 x galvanised steel locknut

1 x brass earth tag

1 x PVC shroud

LSF shrouds, brass locknuts and additional brass earth tags are available to purchase individually.

CW LSF Shrouds

Zero Halogen

Low smoke

Self-extinguishing

UL94 V0 rated

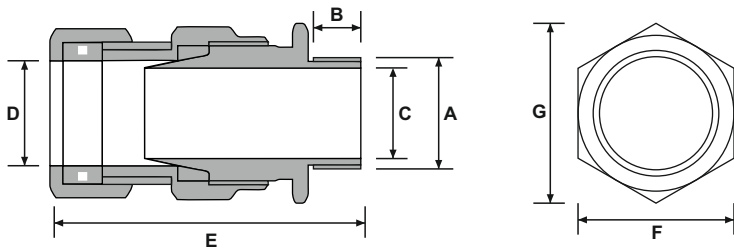
E1W Weatherproof Cable gland kits

E1W brass glands are suitable for indoor and outdoor applications that require IP rating IP66. The glands outer seal grips the sheath of the cable, and the inner seal grips the bedding layer of the cable. Suitable for use with SWA cable. Glands are manufactured to BS6121 : Part 1.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Cable Bedding Diameter (C)	Overall Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
E1W20SK	M20	15	11.7	16.1	57.0	24.0	27.0	2
E1W20K	M20	15	13.9	21.1	63.0	27.0	30.0	2
E1W25K	M25	15	19.9	27.2	67.0	34.0	38.0	2
E1W32K	M32	15	26.2	33.9	70.0	40.5	45.0	2
E1W40K	M40	15	32.1	40.6	70.0	49.4	55.0	1
E1W50K	M50	15	44.0	55.7	84.0	62.0	69.0	1
E1W63K	M63	15	55.9	65.3	84.0	75.5	84.5	1

All dimensions are in mm



Technical Data



Applications

Indoor and outdoor use
For exposed outdoor environments
Suitable for SWA cable
Glands to BS6121:Part 1

IP Rating

IP66

Kit contents

E1W20SK to E1W32K

2 x brass glands
2 x brass locknuts
2 x brass earth tags
2 x PVC shrouds

E1W40K to E1W63K

1 x brass gland
1 x brass locknut
1 x brass earth tag
1 x PVC shroud

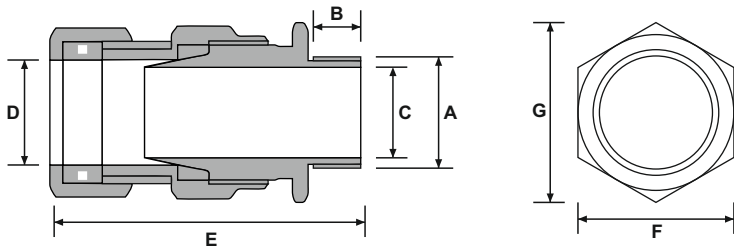
E1WF ATEX, flameproof & weatherproof cable gland kits

E1WF double compression glands provide a controlled Ex d and IP seal on the cable inner sheath, an environmental seal on the outer sheath and a detachable armour specific clamping system for wire armoured cables. These glands have been tested to IP66 and IP68 to 50 metres. This range of glands are certified Flameproof Ex d, Increased Safety EX e, Restricted Breathing EX nR and Dust Protected Ex ta.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Cable Bedding Diameter (C)	Overall Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
E1WFCK16/20	M20	16	8.4	13.5	74.0	24.0	26.5	2
E1WFCK20S	M20	16	11.7	16.0	74.0	24.0	26.5	2
E1WFCK20	M20	16	14.0	21.1	74.0	30.0	33.0	2
E1WFCK25	M25	16	20.0	27.4	74.0	38.0	41.4	2
E1WFCK32	M32	16	26.3	34.0	81.0	46.0	50.6	2
E1WFCK40	M40	16	32.2	40.6	88.0	55.0	60.5	1
E1WFCK50	M50	16	44.1	53.2	89.0	65.0	71.5	1
E1WFCK63S	M63	19	50.1	59.5	95.0	80.0	88.0	1
E1WFCK63	M63	19	56.0	65.8	95.0	80.0	88.0	1

All dimensions are in mm



Technical Data



Applications

Indoor and outdoor use
ATEX, flameproof and weatherproof
Suitable for SWA cable
Glands to BS6121:Part 1

IP Rating

IP66 and IP68 to 50 metres

Kit contents

E1WFCK16/20 to E1WFCK32

2 x brass glands
2 x brass locknuts
2 x brass earth tags
2 x PVC shrouds
2 x Nylon IP washer

E1WFCK40 to E1WFCK63

1 x brass gland
1 x brass locknut
1 x brass earth tag
1 x PVC shroud
1 x Nylon IP washer

Approvals

Certified Flameproof Ex d,
Increased Safety EX e,
Restricted Breathing EX nR and
Dust Protected Ex ta.

Suitable for Zone 1 and 2 for Gas Groups IIA, IIB and IIC and for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC.

Certified for Class I Zone 1 & Class I Div 2 installations for use with Marine Shipboard & Tray Cables under NEC and CEC.

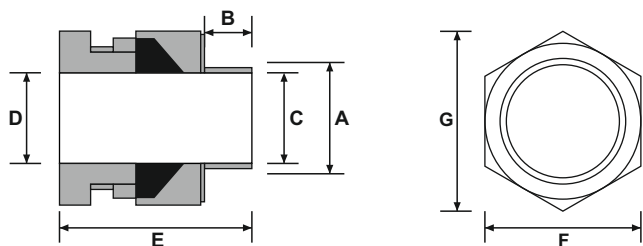
A2 Brass Stuffing Cable gland kits

A2 brass glands are suitable for indoor and outdoor applications and are IP66 rated. Referred to as “stuffing” glands they are suitable for use with all types of circular unarmoured cables. The single compression gland ensures electrical continuity and mechanical retention of the cable.



Part Number	Entry Thread Diameter (A)	Thread Length Minimum (B)	Minimum Cable Diameter (C)	Maximum Cable Diameter (D)	Overall Gland Length (E)	Hex Size Across Flat (F)	Hex Size Across Corners (G)	Contents of each Per Kit
A2-20S	M20	14	6.1	11.6	37.0	21.5	24.5	2
A2-20	M20	14	6.5	13.9	39.0	26.8	31.0	2
A2-25	M25	15	11.1	19.9	46.0	31.5	35.5	2
A2-32	M32	15	17.0	26.2	48.0	41.7	46.0	2
A2-40	M40	15	22.0	32.1	49.0	51.5	56.5	1
A2-50	M50	15	35.6	44.0	51.0	65.0	70.0	1
A2-63	M63	15	47.2	55.9	51.0	75.5	83.0	1

All dimensions are in mm



Technical Data



Applications

Indoor and outdoor use
Use where waterproof seal is required
Suitable for unarmoured cable
Glands to BS6121:Part 1

IP Rating

IP66

Kit contents

A2-20S to A2-32

2 x brass glands
2 x locknuts
2 x brass earth tags
2 x PVC shrouds

A2-40 to A2-63

1 x brass gland
1 x locknut
1 x brass earth tag
1 x PVC shroud

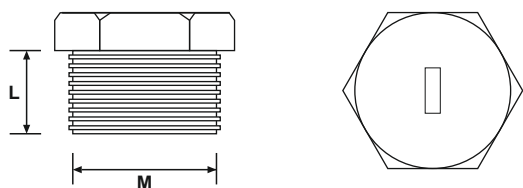
Hexagonal Stopping Plugs Nylon 6

Stopping (or blanking) plugs are designed to blank off any unused entries in electrical junction boxes and equipment. Manufactured from halogen free Nylon 6 and supplied in metric threads with a sealing ring to ensure the IP rating of the installation is maintained.



Part Number	Colour	Thread Entry (M)	Thread Length (L)	Pack
SP12B	Black	M12	11	1
SP16B	Black	M16	12	1
SP20B	Black	M20	13	1
SP25B	Black	M25	15	1
SP32B	Black	M32	16.5	1
SP40B	Black	M40	18	1
SP50B	Black	M50	21	1
SP63B	Black	M63	24.5	1

All dimensions are in mm



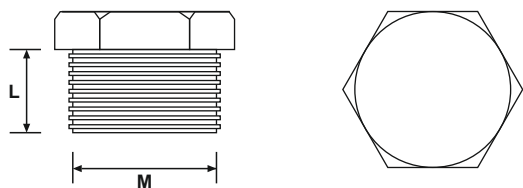
Hexagonal Stopping Plugs Brass Ex e

Brass stopping plugs are designed to close any unused entries in electrical equipment. Supplied with an 'O' ring to ensure the IP rating of the installation is maintained. Inserted from the outside and tightened with a spanner. Plugs are marked with the appropriate approvals.



Part Number	Material	Thread Entry (M)	Thread Length (L)	Pack
CON12HSPB	Brass	M12	12	1
CON16HSPB	Brass	M16	12	1
CON20HSPB	Brass	M20	12	1
CON25HSPB	Brass	M25	12	1
CON32HSPB	Brass	M32	12	1
CON40HSPB	Brass	M40	15	1
CON50HSPB	Brass	M50	15	1
CON63HSPB	Brass	M63	19	1

All dimensions are in mm



Technical Data



Material

Halogen Free Polyamide 6 glassfibre with neoprene seal

Operating temperature

-30°C to +120°C

Compliance

EN 60 423

IP Rating

IP68

Technical Data



Material

Brass nickel plated with Nitrile sealing ring

Operating temperature

-40°C to +100°C

Standards

Ex e & TD
 EN 60079-0 (2012) + A11 (2013)
 EN 60079-7 (2007)
 EN 60079-31 (2009)
 Device group : II
 Category : 2 and 3
 Atmospheres : G/D
 Zones : 1, 2, 21, 22

IP Rating

IP68

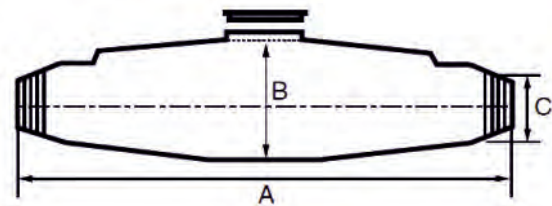
LV Resin Cable Joints - Straight

Resin filled jointing kits for armoured cables up to 1kV. The clear injection moulded rigid high-impact joint shells allow easy viewing to aid correct installation. Armour continuity bonding components are supplied with every shell. Filling the joint is easy with a convenient pouring funnel and sealing cap, with proven two-part polyurethane resin supplied in foil packs.



Part Number	Selection Chart Colour	Joint Length (A)	Joint Diameter (B)	Cable Entry Ø (C)	Cable Range (mm²)	Max 4 Core (mm²)	2-Part Resin Qty
EJK-RS-06-4	Blue	200	35	5 - 20	1.5 - 10	6	200ml
EJK-RS-16-4	Orange	250	45	8 - 30	10 - 25	16	350ml
EJK-RS-25-4	Purple	320	60	10 - 34	25 - 35	25	750ml
EJK-RS-35-4	Green	355	72	26 - 53	35 - 150	70	1.2 litres

All dimensions are in mm



Selection Chart - Straight jointing kits

No of Cores	Armoured Cable Size (mm²)													
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	
1														
2														
3														
4														

Injection Moulded Shells

Rigid and strong shells with snap-lock design provide an excellent seal and prevents any resin leakage.

Mechanical Connectors

Machined brass connectors are included and are suitable for low voltage cables with copper or aluminium conductors.

Earth Braid

The flat, soft braid ensures excellent electrical contact and is insulated for extra protection.

Constant Force Springs

Cable joints are subject to cyclical movement and expansion due to earth shift and heat from electrical current. Constant force springs react to this movement and maintain a sound electrical connection between the steel wire armoring and the earth continuity braid.

Core Separators

Provide safe separation of cable cores and mechanical connectors.

Two-part resin

Cable joint resin is suitable for LV jointing of cables with excellent adhesion to PVC, XLPE, polythene, and paper cables. Resin is supplied in a 2-part easy mix packaging, ensuring both convenience and safety.

Installation Guide

Detailed instruction sheet provided showing the cable jointing procedure.



Technical Data



Applications

LV cable joints
Suitable for SWA cables
(PVC and XLPE)

Rating

Max voltage rating: 1kV

Approvals

Tested to EN 50393:2006-11

Kit contents

- 1 x clear snap-lock shell
- 4 x connectors
- 2 x constant force springs
- 1 x earth braid
- 1 x PVC tape
- 1 x resin pouch
- 1 x pair protective gloves
- 1 x instructions

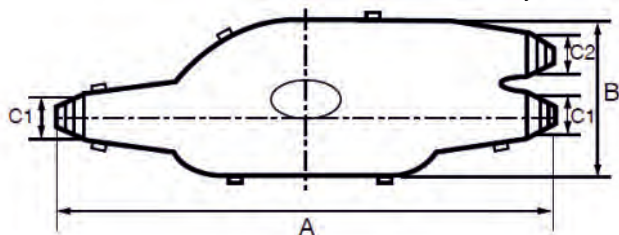
LV Resin Cable Joints - Branch

Resin filled branch jointing kits are ideal for LV cable joints in trench or cable tray. The fully waterproof, no resin leakage shell can be used in direct burial applications and outdoor exposed cables. Suitable for armoured cables up to 1kV, the clear shell allows easy viewing to aid correct installation. Armour continuity bonding components are supplied with every shell.



Part Number	Selection Chart Colour	Joint Length (A)	Joint Diameter (B)	Cable Entry Ø (C)	Cable Range (mm²)	Max 4 Core (mm²)	2-Part Resin Qty
EJK-RB-16-4	Orange	335	110	10 - 30	10 - 16	16	1.85 litres
EJK-RB-35-4	Purple	420	120	15 - 30	25 - 35	35	2.65 litres

All dimensions are in mm



Selection Chart - Branch jointing kits

No of Cores	Armoured Cable Size (mm²)													
	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	
1														
2														
3														
4														

Injection Moulded Shells

Rigid and strong shells with snap-lock design provide an excellent seal and prevents any resin leakage.

Mechanical Connectors

Machined brass connectors are included and are suitable for low voltage cables with copper or aluminium conductors.

Earth Braid

The flat, soft braid ensures excellent electrical contact and is insulated for extra protection.

Constant Force Springs

Cable joints are subject to cyclical movement and expansion due to earth shift and heat from electrical current. Constant force springs react to this movement and maintain a sound electrical connection between the steel wire armoring and the earth continuity braid.

Core Separators

Provide safe separation of cable cores and mechanical connectors.

Two-part resin

Cable joint resin is suitable for LV jointing of cables with excellent adhesion to PVC, XLPE, polythene, and paper cables. Resin is supplied in a 2-part easy mix packaging, ensuring both convenience and safety.

Installation Guide

Detailed instruction sheet provided showing the cable jointing procedure.

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Technical Data



Applications

LV cable joints
 Suitable for SWA cables
 (PVC and XLPE)

Rating

Max voltage rating: 1kV

Approvals

Tested to EN 50393:2006-11

Kit contents

- 1 x clear snap-lock shell
- 4 x connectors
- 3 x constant force springs
- 2 x earth braid
- 1 x PVC tape
- 1 x resin pouch
- 1 x pair protective gloves
- 1 x instructions



insulate and protect with
expressPRO



INSULATE & PROTECT

EHS-G2 Heat shrink general purpose 2:1

A general purpose heat shrink solution widely used across all industry sectors, including Marine, Military, Aerospace, Defence, Petro-Chem and Electrical Contracting. The excellent chemical, electrical and physical properties of EHS grade heat shrink tubing make it suitable for numerous applications including harness assembly, cable bundling, electrical insulation, strain relief, mechanical protection, electrical installations and for colour coded identification purposes.



Ordering information - Mini Reels

Part number - Mini Reels	Expanded Diameter	Recovered Diameter	Recovered Wall Thickness	Pack Size (Metres)
EHS-G2-001.2-(COLOUR)-BX	1.2	0.6	0.36	12
EHS-G2-001.6-(COLOUR)-BX	1.6	0.8	0.36	12
EHS-G2-002.4-(COLOUR)-BX	2.4	1.2	0.45	11
EHS-G2-003.2-(COLOUR)-BX	3.2	1.6	0.45	11
EHS-G2-004.8-(COLOUR)-BX	4.8	2.4	0.56	10
EHS-G2-006.4-(COLOUR)-BX	6.4	3.2	0.56	9
EHS-G2-009.5-(COLOUR)-BX	9.5	4.8	0.56	7
EHS-G2-012.7-(COLOUR)-BX	12.7	6.4	0.56	6
EHS-G2-019.1-(COLOUR)-BX	19.1	9.5	0.70	5
EHS-G2-025.4-(COLOUR)-BX	25.4	12.7	0.90	3.5

*All dimensions in mm

Colour Options - Mini Reels Use the numerical colour code shown below to complete the part number.



Ordering information - Spools

Part number - Spools	Expanded Diameter	Recovered Diameter	Recovered Wall Thickness	Pack Size (Metres)
EHS-G2-001.2-(COLOUR)-SP	1.2	0.6	0.36	150
EHS-G2-001.6-(COLOUR)-SP	1.6	0.8	0.36	150
EHS-G2-002.4-(COLOUR)-SP	2.4	1.2	0.45	150
EHS-G2-003.2-(COLOUR)-SP	3.2	1.6	0.45	150
EHS-G2-004.8-(COLOUR)-SP	4.8	2.4	0.56	60
EHS-G2-006.4-(COLOUR)-SP	6.4	3.2	0.56	60
EHS-G2-009.5-(COLOUR)-SP	9.5	4.8	0.56	60
EHS-G2-012.7-(COLOUR)-SP	12.7	6.4	0.56	60
EHS-G2-019.1-(COLOUR)-SP	19.1	9.5	0.70	60
EHS-G2-025.4-(COLOUR)-SP	25.4	12.7	0.90	30
EHS-G2-038.1-(COLOUR)-SP	38.1	19.1	1.00	30
EHS-G2-050.8-(COLOUR)-SP	50.8	25.4	1.15	25
EHS-G2-076.2-(COLOUR)-SP	76.2	38.1	1.25	25
EHS-G2-101.6-(COLOUR)-SP	101.6	50.8	1.40	25

*All dimensions in mm

Spool sizes shown above relate to colour black. Pack sizes may vary for colours. Visit our website to check pack size of specific colours and sizes.

Colour Options - Spools Use the numerical colour code shown below to complete the part number.



Technical Data



Material

Flame retardant polyolefin

Shrink Ratio 2:1

Temperature Ratings

Operating : -40°C to 135°C

Recovery : +80°C

Standards

UL224 VW-1, 600V, 125°C

CSA 066150, 600V, 125°C

AMS-DTL-23053/5 Cl 1&2

DEF STAN 59-97, VG 95343 Pt5

RoHS 2

Tensile Strength Min. 10Mpa (ISO 37)

Ultimate Elongation Min. 250% (ISO 37)

Heat Ageing No dripping (ISO 188)

Ultimate Elongation after Ageing

Min. 150% (168 hours at +175°C)

Specific Gravity Max 1.35g/cm³ (ISO 1183)

Water Absorption Max 0.5% (ISO 62)

Copper Corrosion None (ASTM 2671)

Low Temp. Flexibility No cracking (UL224)

Flame Retardant VW-1 [colours] (UL1581)

Volume Resistivity Min 10¹⁴Ω cm (UL224)

Heat Shock No dripping (ASTM D2671)

(4 hours at +250°C)

Dielectric Strength >20kv/mm

Fluid Resistance (ISO 1817)

At 23°C for 24 hours for the following fluids :
Petrol, H-515 Hydraulic Fluid, O-148
Lubricating Oil.

Tensile Strength : Min. 7Mpa

Ultimate Elongation : Min. 200%

Fungus Resistance (ISO 846)

Tensile Strength : Min. 10Mpa

Ultimate Elongation : Min. 250%

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EHS-Z2 Heat shrink zero halogen 2:1

EHS-Z2 is a zero halogen heat shrinkable polyolefin tubing with a 2:1 shrink ratio. Designed to meet applications where limited fire hazard characteristics are critical and as such is widely used across all industry sectors, including Marine, Military, Aerospace, Defence, Petro-Chem and Electrical Contracting. Applications include harness assembly, cable bundling, electrical insulation, strain relief and electrical installations.



Ordering information

Part number	Colour	Expanded Diameter	Recovered Diameter	Wall Thickness	Spool Size (Metres)
EHS-Z2-001.6-0-SP	■	1.6	0.8	0.43	150
EHS-Z2-002.4-0-SP	■	2.4	1.2	0.51	150
EHS-Z2-003.2-0-SP	■	3.2	1.6	0.51	150
EHS-Z2-004.8-0-SP	■	4.8	2.4	0.51	75
EHS-Z2-006.4-0-SP	■	6.4	3.2	0.64	75
EHS-Z2-009.5-0-SP	■	9.5	4.8	0.64	75
EHS-Z2-012.7-0-SP	■	12.7	6.4	0.64	75
EHS-Z2-019.0-0-SP	■	19.0	9.5	0.76	60
EHS-Z2-025.4-0-SP	■	25.4	12.7	0.89	60
EHS-Z2-038.1-0-SP	■	38.1	19.0	0.97	30
EHS-Z2-050.8-0-SP	■	50.8	25.4	1.15	30
EHS-Z2-076.2-0-SP	■	76.2	38.1	1.25	30
EHS-Z2-102.0-0-SP	■	102.0	50.8	1.34	30

*All dimensions in mm

Standard Colour Options Part numbers listed above

0

Black

Technical Data



Material

Zero halogen polyolefin

Shrink Ratio 2:1

Temperature Ratings

Operating : -30°C to 125°C

Recovery : +100°C

Standards

DEF STAN 59-97

BS4G-198 Pt.3 Type 15

Tensile Strength Min. 7Mpa (ISO 37)

Ultimate Elongation 200% (ISO 37)

Heat Ageing No dripping (ISO 188)

Copper Corrosion None (ASTM 2671)

Low Temp. Flexibility No cracking (UL224)

Heat Shock No dripping (ASTM D2671)
(4 hours at +250°C)

Dielectric Strength >15kv/mm

Oxygen Index 32 max (ISO 4589-2)
At Ambient Temperature

Smoke Index 20 max (IEC 60684-2)

Toxicity Index 5 max p/100g (IEC 60684-2)

Fluid Resistance (ISO 1817)

At 23°C for 24 hours for the following fluids :
Petrol, H-515 Hydraulic Fluid, O-148
Lubricating Oil.

Tensile Strength : Min. 4Mpa

Ultimate Elongation : Min. 100%

Fungus Resistance (IEC 68-2-10)

2 max

EHS-D2 Heat shrink diesel resistant 2:1

EHS-D2 is a diesel and fuel resistant heat shrinkable elastomer tubing specially formulated for high temperature fluid resistance and long-term heat resistance. It is resistant to aviation and diesel fuels, hydraulic fluids and lubricating oils.

Used as a jacketing material for protecting high performance cables and wiring harnesses in demanding environments found in military, aviation and automotive sectors.



Ordering information

Part number - Spools	Expanded Diameter	Recovered Diameter	Recovered Wall Thickness	Pack Size (Metres)
EHS-D2-003.2-0-SP	3.2	1.6	0.76	100
EHS-D2-004.8-0-SP	4.8	2.4	0.84	100
EHS-D2-006.4-0-SP	6.4	3.2	0.89	100
EHS-D2-009.5-0-SP	9.5	4.8	1.02	50
EHS-D2-012.7-0-SP	12.7	6.4	1.22	30
EHS-D2-019.1-0-SP	19.1	9.5	1.45	30
EHS-D2-025.4-0-SP	25.4	12.7	1.78	30
EHS-D2-038.1-0-SP	38.1	19.1	2.41	25
EHS-D2-050.8-0-SP	50.8	25.4	2.79	25
EHS-D2-076.2-0-SP	76.2	38.1	3.18	25

*All dimensions in mm

Standard Colour Options

0

Black

Technical Data



Material

Heat shrinkable elastomer tubing

Shrink Ratio 2:1

Temperature Ratings

Operating : -75°C to 110°C

Recovery : +150°C

Standards

UL224, 125°C VW-1

SAE-AMS-DTL-23053/16

Tensile Strength ≥ 12 N/mm² (ASTM D638)

Ultimate Elongation $\geq 400\%$ (ASTM D638)

Heat Ageing ≥ 8 MPa (ISO 188)

Elongation after Ageing

$\geq 220\%$ (ISO 188) (168 hours at +160°C)

Specific Gravity 1.47g/cm³ (ASTM D792)

Water Absorption $\leq 0.20\%$ (ASTM D570)

Copper Corrosion None (ASTM 2671B)

Heat Shock No dripping (ASTM D2671)
(4 hours at +215°C)

Flammability VW-1 Pass (UL224)

Volume Resistivity $10^{14}\Omega$ cm (ASTM D257)

Longitudinal Change $\leq 5\%$ (ASTM D2671)

Dielectric Strength >15 kV/mm (IEC243)

Fluid Resistance (ISO 37)

Diesel Oil : 70°C for 24 hours

Hydraulic Fluid : 70°C for 24 hours

Lubricant : 100°C for 24 hours

Tensile Strength : ≥ 8 MPa

Ultimate Elongation : $\geq 300\%$

Fungus Resistance Inert, no growth
(AMS-DTL-7444)

Chemical Resistance

SAE-AMS-DTL-23053/16

EHS-A3 Heat shrink adhesive lined 3:1

EHS-A3 is a semi flexible, general purpose, adhesive lined heat shrinkable tubing supplied in a 3:1 shrink ratio. Once shrunk and the inner lining of adhesive has melted it provides a moisture proof seal.

Suitable for use in many applications such as cable joints, electrical wire splices, wire breakouts, electrical components and the sealing of cable ends.

The 3:1 shrink ratio ensures coverage of a wide range of diameter sizes.

Ordering information

Part number	Colour	Expanded Diameter	Recovered Diameter	Wall Thickness	Pack Size (Metres)
EHS-A3-03/01-0-SP	■	3.0	1.0	1.0	150
EHS-A3-06/02-0-SP	■	6.0	2.0	1.0	60
EHS-A3-09/03-0-SP	■	9.0	3.0	1.4	60
EHS-A3-12/04-0-SP	■	12.0	4.0	1.78	25
EHS-A3-18/06-0-SP	■	18.0	6.0	2.25	25
EHS-A3-24/08-0-SP	■	24.0	8.0	2.54	25
EHS-A3-40/13-0-SP	■	40.0	13.0	2.54	25

*All dimensions in mm

Standard Colour Options Part numbers listed above

0

Black



The adhesive lining provides a moisture proof seal

Technical Data



Material

Adhesive lined polyolefin

Shrink Ratio 3:1

Temperature Ratings

Operating : -55°C to 110°C

Recovery : +80°C

Standards

UL224 VW-1, 600V, 125°C

CSA 066150, 600V, 125°C

AMS-DTL-23053/4

Tensile Strength Min. 9Mpa (ISO 37)

Ultimate Elongation 300% (ISO 37)

Heat Ageing No dripping (ISO 188)

Specific Gravity Max 1.25g/cm³ (ISO 1183)

Water Absorption Max 0.5% (ISO 62)

Copper Corrosion None (ASTM 2671)

Low Temp. Flexibility No cracking (UL224)

Heat Shock No dripping (ASTM D2671)
(4 hours at +250°C)

Dielectric Strength >12kv/mm

Fluid Resistance (ISO 1817)

At 23°C for 24 hours for the following fluids :
Petrol, H-515 Hydraulic Fluid, O-148
Lubricating Oil.

Tensile Strength : Min. 7Mpa

Ultimate Elongation : Min. 300%

Fungus Resistance (ISO 846)

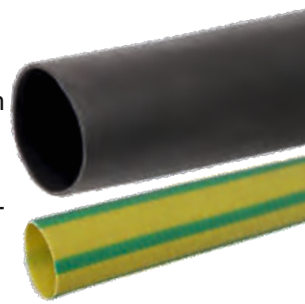
Tensile Strength : Min. 10Mpa

Ultimate Elongation : Min. 250%

EPS PVC sleeving

A flexible PVC Sleeving manufactured from a high-grade virgin compound material with a thin wall that makes it suitable for wire insulation applications.

This lead free BS2848 compliant material can be used to over-sleeve single wires and wire bundles. It provides an easy fit solution within confined spaces and is also used in many applications from large scale cable harness production to smaller electrical contracting projects.



Technical Data



Material

Lead free flexible PVC

Operating Temperature -20°C to 85°C

Elongation at Break 220%

Insulation Resistance 10¹⁰ Ohm/cm

Dielectric Strength 20kv/mm

Hardness BSS20-30

Flammability Self-extinguising

Standards BS2848 Type 3 85T

Ordering information - Black

Part number	Colour	Internal Diameter	For Cable Diameter	Wall Thickness	Pack Size (Metres)
EPS-A-004.0-0-SP	Black	4.0	1.5 - 2.5mm ²	0.5	100
EPS-A-005.0-0-SP	Black	5.0	2.5 - 4.0mm ²	0.5	100
EPS-A-006.0-0-SP	Black	6.0	6mm ²	0.5	100
EPS-A-008.0-0-SP	Black	8.0	10mm ²	0.5	100
EPS-A-010.0-0-SP	Black	10.0	16 - 25mm ²	0.5	100
EPS-A-012.0-0-SP	Black	12.0	35mm ²	0.5	100
EPS-A-014.0-0-SP	Black	14.0	50mm ²	0.5	100
EPS-A-016.0-0-SP	Black	16.0	70mm ²	0.5	100
EPS-A-020.0-0-SP	Black	20.0	95mm ²	1.0	50
EPS-A-025.0-0-SP	Black	25.0	120mm ²	1.0	50

*All dimensions in mm



Ordering information - Standard Colours

Part number	Colour	Internal Diameter	For Cable Diameter	Wall Thickness	Pack Size (Metres)
EPS-A-002.0-6-SP	Blue	2.0	<0.5mm ²	0.5	100
EPS-A-002.0-1-SP	Brown	2.0	<0.5mm ²	0.5	100
EPS-A-002.0-45-SP	Green/Yellow	2.0	<0.5mm ²	0.5	100
EPS-A-003.0-6-SP	Blue	3.0	0.5 - 0.75mm ²	0.5	100
EPS-A-003.0-1-SP	Brown	3.0	0.5 - 0.75mm ²	0.5	100
EPS-A-003.0-45-SP	Green/Yellow	3.0	0.5 - 0.75mm ²	0.5	100
EPS-A-004.0-6-SP	Blue	4.0	1.5 - 2.5mm ²	0.5	100
EPS-A-004.0-1-SP	Brown	4.0	1.5 - 2.5mm ²	0.5	100
EPS-A-004.0-45-SP	Green/Yellow	4.0	1.5 - 2.5mm ²	0.5	100
EPS-A-005.0-6-SP	Blue	5.0	2.5 - 4mm ²	0.5	100
EPS-A-005.0-1-SP	Brown	5.0	2.5 - 4mm ²	0.5	100
EPS-A-005.0-45-SP	Green/Yellow	5.0	2.5 - 4mm ²	0.5	100
EPS-A-006.0-6-SP	Blue	6.0	6mm ²	0.5	100
EPS-A-006.0-1-SP	Brown	6.0	6mm ²	0.5	100
EPS-A-006.0-45-SP	Green/Yellow	6.0	6mm ²	0.5	100

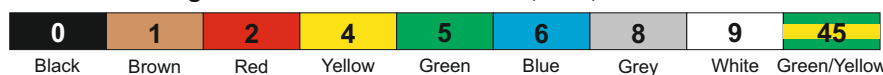
*All dimensions in mm

Standard Colour Options



Brown Blue Green/Yellow Black

Full Colour Range Non standard colours are available upon request



Black Brown Red Yellow Green Blue Grey White Green/Yellow

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EGO & EGB Open & blind grommets

A range of PVC open and blind grommets that are available in sizes from 6mm to 50mm. Open grommets provide protection for cables and cable bundles passing through bulkheads and panel openings. The blind (or “blanking”) grommets provide dust and dirt protection by creating a seal when used to close holes on panels and boxes. The grommets are designed to fit panel thicknesses up to 1.6mm.

“Fast-fit” grommets are also available for the popular sizes.



Ordering information - Open Grommets

Part number	Fits Hole Diameter	Grommet Diameter	Grommet Hole Diameter	Grommet Thickness	Pack Size (Pcs)
EGO-06	6.4	8.5	4.0	3.8	100
EGO-09	9.3	13.4	7.7	6.0	100
EGO-12	12.3	16.2	9.5	6.4	100
EGO-16	15.8	19.0	12.0	5.9	100
EGO-20	20.2	23.0	15.8	6.2	100
EGO-25	25.0	29.2	19.5	7.3	100
EGO-32	31.0	38.1	24.0	8.0	100
EGO-38	37.4	46.0	31.5	9.5	100
EGO-50	50.5	60.3	44.5	11.1	100

*All dimensions in mm

Ordering information - “Fast-fit” Open Grommets

Part number	Fits Hole Diameter	Grommet Diameter	Grommet Hole Diameter	Grommet Thickness	Pack Size (Pcs)
EGO-20F	20.2	23.0	15.8	6.2	100
EGO-25F	25.0	29.2	19.5	7.3	100

*All dimensions in mm

Ordering information - Blind Grommets

Part number	Fits Hole Diameter	Grommet Diameter	Grommet Hole Diameter	Grommet Thickness	Pack Size (Pcs)
EGB-06	6.4	8.5	Blank	3.8	100
EGB-09	9.3	13.4	Blank	6.0	100
EGB-12	12.3	16.2	Blank	6.4	100
EGB-16	15.8	19.0	Blank	5.9	100
EGB-20	20.2	24.2	Blank	6.2	100
EGB-25	25.0	29.2	Blank	7.3	100
EGB-32	31.7	38.1	Blank	7.2	100
EGB-38	37.7	44.4	Blank	8.0	100
EGB-50	50.5	57.2	Blank	7.3	100

*All dimensions in mm

Technical Data



Material PVC

Operating Temperature -40°C to 135°C

EBS Expandable polyester braid

EBS is a commercial grade expandable braided sleeving, Manufactured from a halogen-free, flame-retardant polyester (PET), and has excellent UV and abrasion resistance for a wide range of industrial applications. The open weave construction allows easy installation on a cable, pipe or hose bundles, and expansion during application allows the sleeve to fit over bulky or large connectors. When totally expanded, the sleeve can reach at least 1.5 times the original dimensions. Ideal for applications that require tough and durable protection.



Ordering information - Mini Reels

Part number - Mini Reels	Expansion Range		Pack Size (Metres)
	Minimum	Maximum	
EBS-P-006.0-0-BX	3	to 9	10
EBS-P-008.0-0-BX	5	to 16	10
EBS-P-012.0-0-BX	8	to 24	10
EBS-P-014.0-0-BX	9	to 26	10
EBS-P-016.0-0-BX	10	to 28	10
EBS-P-020.0-0-BX	14	to 30	10
EBS-P-025.0-0-BX	18	to 35	10
EBS-P-032.0-0-BX	20	to 50	10
EBS-P-038.0-0-BX	25	to 60	10
EBS-P-050.0-0-BX	40	to 80	10

*All dimensions in mm

Standard Colour

0

Black



Ordering information - Spools

Part number - Spools	Expansion Range		Pack Size (Metres)
	Minimum	Maximum	
EBS-P-006.0-0-SP	3	to 9	100
EBS-P-008.0-0-SP	5	to 16	100
EBS-P-012.0-0-SP	8	to 24	50
EBS-P-014.0-0-SP	9	to 26	50
EBS-P-016.0-0-SP	10	to 28	50
EBS-P-020.0-0-SP	14	to 30	50
EBS-P-025.0-0-SP	18	to 35	50
EBS-P-032.0-0-SP	20	to 50	25
EBS-P-038.0-0-SP	25	to 60	25
EBS-P-050.0-0-SP	40	to 80	25

*All dimensions in mm

Standard Colour

0

Black

Technical Data



Material

Polyester (PET)
Polyethylene terephthalate monofilaments

Temperature Ratings

Operating : -50°C to 150°C
Short Term : 200°C

Melting Point +250°C

Flammability UL224 VW-1

Tensile Strength 100,000 psi

Elongation 20%

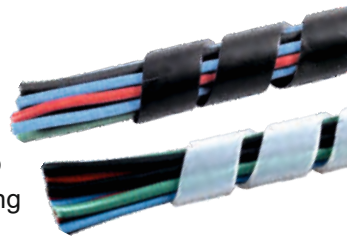
Shrinkage at 180°C 4%

Specification Gravity 1.31

Moisture Absorption after 24hrs 0.08%

ESB Spiral binding

Provides a cable wrapping solution for organising and protecting bundles of cable and wire. The flexible LDPE material allows expansion in diameter to cover a range of sizes and allows cables to branch out along the length at any point and in any direction. ESB can be easily cut to size, with no application tools required. A low cost, durable, re-usable and strong cable protection solution.



Ordering information

Part number	Colour	Internal Diameter	Outside Diameter	Loom Range	Pack Size (Metres)
ESB-05B	Black	5.0	6.0	4 - 50	25
ESB-05N	Natural	5.0	6.0	4 - 50	25
ESB-07B	Black	7.0	8.0	6 - 60	25
ESB-07N	Natural	7.0	8.0	6 - 60	25
ESB-10B	Black	10.0	12.0	9 - 65	25
ESB-10N	Natural	10.0	12.0	9 - 65	25
ESB-13B	Black	13.0	15.0	12 - 70	25
ESB-13N	Natural	13.0	15.0	12 - 70	25
ESB-21B	Black	21.0	24.0	20 - 130	25
ESB-21N	Natural	21.0	24.0	20 - 130	25

*All dimensions in mm

Standard Colour Options



Black Natural

Technical Data



Material

Low Density Polyethylene (LDPE)

Operating Temperature : -40°C to +90°C

Features

Water, oil and fuel resistant

EFC Flexible conduit

A range of flexible conduit available in metallic and non-metallic materials offering the ideal solution for cable routing and protection. Manufactured in the UK the range includes a low smoke zero halogen polypropylene non-metallic flexible conduit and a metallic offering of bare steel or PVC coated steel. Designed to meet the needs of a typical electrical installation and as such contractor packs are offered in the popular 20mm and 25mm sizes which are supplied complete with fittings.



Flexible Non-Metallic Conduit

Ordering information

Part number	Description	Outside Diameter	Inside Diameter	Pack Size
EFC-PP20-100	M20 Conduit	20	14.8	100m
EFC-PP20-CP10	M20 Contractor Pack	20	14.8	10m + 10pcs
EFC-PP20-HF	M20 Snap-lock Fitting	20		10pcs
EFC-PP25-050	M25 Conduit	25	19.1	50m
EFC-PP25-CP10	M25 Contractor Pack	25	19.1	10m + 10pcs
EFC-PP25-HF	M25 Snap-lock Fitting	25		10pcs

*All dimensions in mm



Flexible Steel Conduit

Ordering information

Part number	Description	Outside Diameter	Inside Diameter	Pack Size
EFC-BS20-010	M20 Bare Steel Conduit	20.3	16.9	10m
EFC-BS20-025	M20 Bare Steel Conduit	20.3	16.9	25m
EFC-BS20-050	M20 Bare Steel Conduit	20.3	16.9	50m
EFC-BS25-010	M25 Bare Steel Conduit	24.8	21.2	10m
EFC-BS25-025	M25 Bare Steel Conduit	24.8	21.2	25m
EFC-CS20-010	M20 Coated Steel Conduit	21.3	16.9	10m
EFC-CS20-025	M20 Coated Steel Conduit	21.3	16.9	25m
EFC-CS20-050	M20 Coated Steel Conduit	21.3	16.9	50m
EFC-CS25-010	M25 Coated Steel Conduit	25.8	21.2	10m
EFC-CS25-025	M25 Coated Steel Conduit	25.8	21.2	25m
EFC-BS20-FF	M20 Steel Fixed Fitting	20		10pcs
EFC-BS20-SF	M20 Steel Swivel Fitting	20		10pcs
EFC-BS20-LN	M20 Steel Locknut	20		10pcs
EFC-BS25-FF	M25 Steel Fixed Fitting	25		10pcs
EFC-BS25-SF	M25 Steel Swivel Fitting	25		10pcs
EFC-BS25-LN	M25 Steel Locknut	25		10pcs



*All dimensions in mm

Technical Data



Material Polypropylene LS0H

Operating Temperature -20°C to +90°C

Compression Strength

M20 - 35kg/100mm

M25 - 30kg/100mm

Bend Radius

M20 - 40mm

M25 - 50mm

Pull off Strength

M20 - 10kg

M25 - 10kg

IP Rating IP40 when used with glands

Material Steel

Operating Temperature

Base Steel : -100°C to +300°C

PVC Coating : -15°C to +70°C

Compression Strength

M20 - 220kg/100mm

M25 - 190kg/100mm

Bend Radius

M20 - 45mm

M25 - 45mm

Pull off Strength

M20 - 75kg

M25 - 85kg

IP Rating IP54 when used with glands

Compliance IEC EN 61386

PVC Insulating tape

A range of general purpose PVC insulating tape manufactured to BS EN 60454-2.

This extremely flexible PVC tape has good adhesion suitable for wire and cable insulation, bundling and reinforcing.

Available in a range of colours for colour-coding cables and ease of identification after installation.



Ordering information - 20 Metre Rolls

Part number - Mini Reels	Colour	Description	Pack Size (Metres)
TAPE-0-19X20M-PVC	Black	PVC Tape Black	20
TAPE-1-19X20M-PVC	Brown	PVC Tape Brown	20
TAPE-2-19X20M-PVC	Red	PVC Tape Red	20
TAPE-4-19X20M-PVC	Yellow	PVC Tape Yellow	20
TAPE-45-19X20M-PVC	Green / Yellow	PVC Tape Green / Yellow	20
TAPE-5-19X20M-PVC	Green	PVC Tape Green	20
TAPE-6-19X20M-PVC	Blue	PVC Tape Blue	20
TAPE-7-19X20M-PVC	Violet	PVC Tape Violet	20
TAPE-8-19X20M-PVC	Grey	PVC Tape Grey	20
TAPE-9-19X20M-PVC	White	PVC Tape White	20

Colour Options

0	1	2	4	45	5	6	7	8	9
Black	Brown	Red	Yellow	Green/Yellow	Green	Blue	Violet	Grey	White

Ordering information - 33 Metre Rolls

Part number - Mini Reels	Colour	Description	Pack Size (Metres)
TAPE-0-19X33M-PVC	Black	PVC Tape Black	33
TAPE-1-19X33M-PVC	Brown	PVC Tape Brown	33
TAPE-2-19X33M-PVC	Red	PVC Tape Red	33
TAPE-4-19X33M-PVC	Yellow	PVC Tape Yellow	33
TAPE-45-19X33M-PVC	Green / Yellow	PVC Tape Green / Yellow	33
TAPE-5-19X33M-PVC	Green	PVC Tape Green	33
TAPE-6-19X33M-PVC	Blue	PVC Tape Blue	33
TAPE-7-19X33M-PVC	Violet	PVC Tape Violet	33
TAPE-8-19X33M-PVC	Grey	PVC Tape Grey	33
TAPE-9-19X33M-PVC	White	PVC Tape White	33

Colour Options

0	1	2	4	45	5	6	7	8	9
Black	Brown	Red	Yellow	Green/Yellow	Green	Blue	Violet	Grey	White

Technical Data



Material PVC

Operating Temperature -18°C to 105°C

Material Thickness 0.15mm (±0.02)

Material Width 19mm

Material Length 20M and 33M

Tensile Strength 22N/10mm

Dielectric Strength 40kv/mm

Elongation 125%

Adhesion

Steel 2.5N/10mm

Backing 2.5N/10mm

Persistent adhesive ≥30 min

Flamability Self-extinguishing

lockout and tagout with
expressLOTO



INSULATE & PROTECT

General Purpose Lockout Padlocks

- Suitable for general purpose lockout applications
- Polyamide body and stainless steel shackle
- Corrosion, chemical and UV resistant
- Key is retained within padlock when open for added security
- Includes "Danger" warning label for added visual warning
- Operating temperature : -20°C to 120°C
- Keyed Different and Keyed Different Master Key options



Ordering information - Keyed Different

Part number	Colour	Body Width	Body Height	Shackle Width	Shackle Height	Shackle Diameter
T3RKDS40	Red	38	45	20	38	6
T3YKDS40	Yellow	38	45	20	38	6
T3BKDS40	Blue	38	45	20	38	6
T3GKDS40	Green	38	45	20	38	6

Ordering information - Keyed Different Master Key

T3RKDMKS40	Red	38	45	20	38	6
T3YKDMKS40	Yellow	38	45	20	38	6
T3BKDMKS40	Blue	38	45	20	38	6
T3GKDMKS40	Green	38	45	20	38	6

All dimensions are in mm

General Purpose Long Shackle Padlocks

- Suitable for general purpose lockout applications
- Polyamide body and steel shackle
- Corrosion, chemical and UV resistant
- Key is retained within padlock when open for added security
- Includes "Danger" warning label for added visual warning
- Operating temperature : -20°C to 120°C
- Keyed Different and Keyed Different Master Key options



Ordering information - Keyed Different

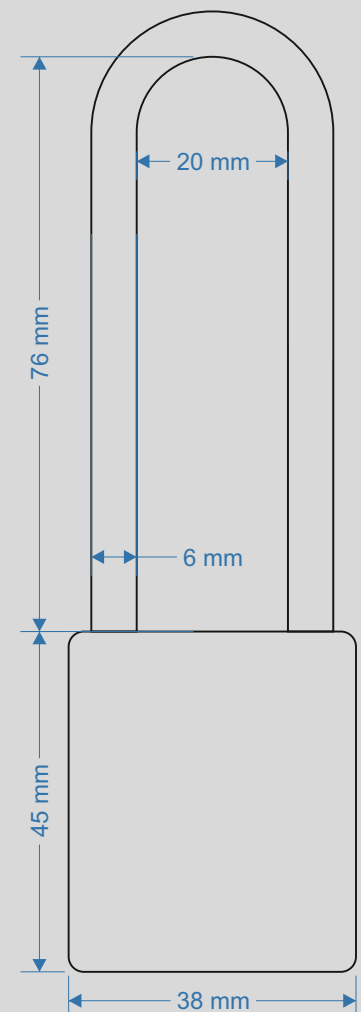
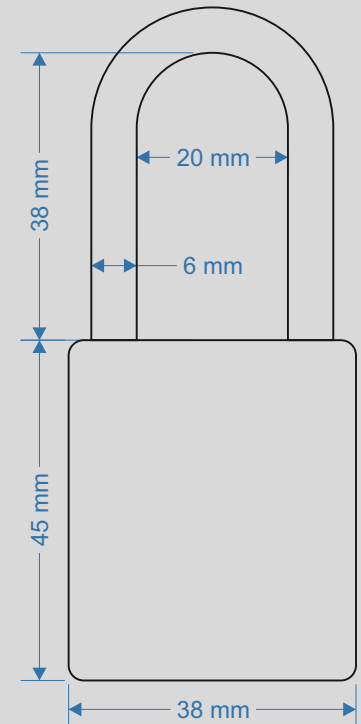
Part number	Colour	Body Width	Body Height	Shackle Width	Shackle Height	Shackle Diameter
T3RKDL80	Red	38	45	20	76	6
T3YKDL80	Yellow	38	45	20	76	6

Ordering information - Keyed Different Master Key

T3RKDMKL80	Red	38	45	20	76	6
T3YKDMKL80	Yellow	38	45	20	76	6

All dimensions are in mm

Safety Padlocks



Non-conductive Lockout Padlocks

- Suitable for electrical lockout applications
- Non-conductive Polyamide body and nylon shackle
- Corrosion, chemical and UV resistant
- Key is retained within padlock when open for added security
- Includes "Danger" warning label for added visual warning
- Operating temperature : -20°C to 120°C
- Keyed Different and Keyed Different Master Key options



Ordering information - Keyed Different

Part number	Colour	Body Width	Body Height	Shackle Width	Shackle Height	Shackle Diameter
T3RKDN40	Red	38	45	20	38	6
T3YKDN40	Yellow	38	45	20	38	6
T3BKDN40	Blue	38	45	20	38	6
T3GKDN40	Green	38	45	20	38	6

Ordering information - Keyed Different Master Key

T3RKDMKN40	Red	38	45	20	38	6
T3YKDMKN40	Yellow	38	45	20	38	6
T3BKDMKN40	Blue	38	45	20	38	6
T3GKDMKN40	Green	38	45	20	38	6

All dimensions are in mm

General Purpose Laminated Body Padlocks

- Suitable for general purpose lockout applications
- Laminated high strength steel body and shackle
- Corrosion, chemical and UV resistant
- Non-key retaining with red protection bumper
- Includes "Danger" warning label for added visual warning
- Operating temperature : -40°C to 95°C
- Keyed Different and Keyed Different Master Key options



Ordering information - Keyed Different

Part number	Colour	Body Width	Body Height	Shackle Width	Shackle Height	Shackle Diameter
T2RKDS24	Red	40	32	20	24.5	6
T2RKDS64	Red	40	32	20	52	6

Ordering information - Keyed Different Master Key

T2RKDMKS24	Red	40	32	20	24.5	6
T2RKDMKS64	Red	40	32	20	52	6

All dimensions are in mm

Padlock Dust Proof Covers

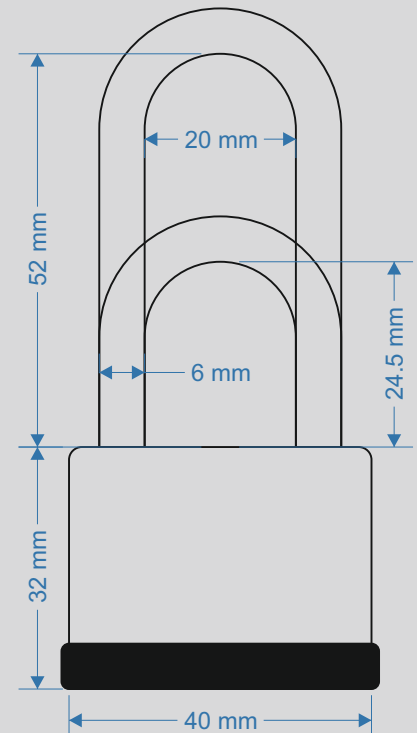
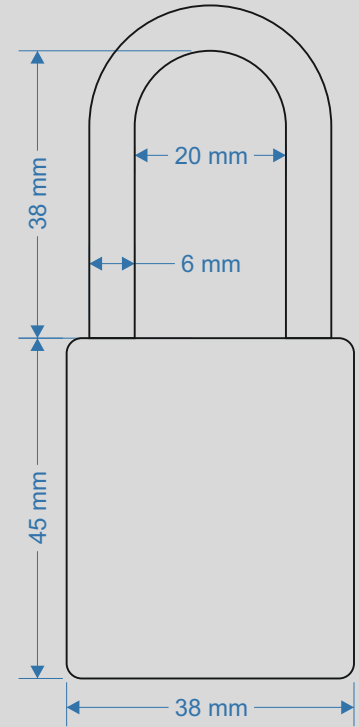
- Material : Black silica gel
- Dimensions : 33 x 49.5mm

Ordering information

Part number	Description
EL-PDC	Black Silica Dust Cover



Safety Padlocks



Coated Steel Lockout Hasps

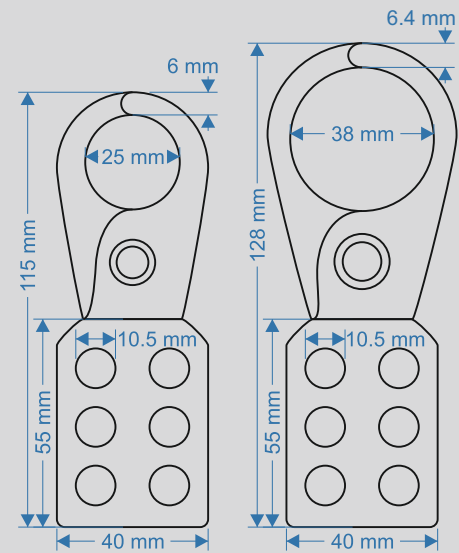
- Material : Nylon coated galvanised steel
- Shackle hole diameter options : 25mm & 38mm
- Number of lock holes : 6
- Lock hole diameter : 10.5mm
- Dimensions : 40 x 115mm & 40 x 128mm
- * Hasp body colour : Red

Ordering information

Part number	Description
EL-CSH-S	Coated Steel Hasp with 25mm Shackle
EL-CSH-L	Coated Steel Hasp with 38mm Shackle



Hasps & Cables

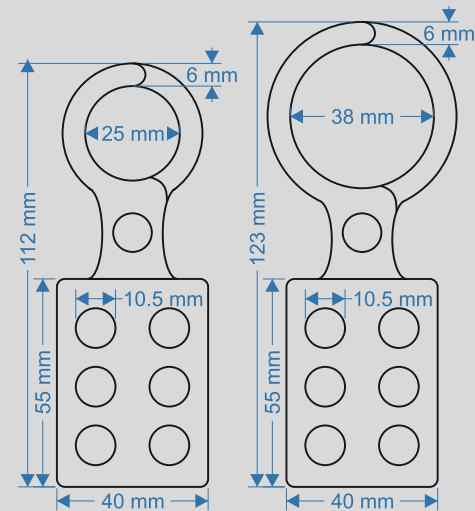


Coated Aluminium Lockout Hasps

- Material : Nylon coated aluminium
- Shackle hole diameter options : 25mm & 38mm
- Number of lock holes : 6
- Lock hole diameter : 10.5mm
- Dimensions : 40 x 112mm & 40 x 123mm
- * Hasp body colour : Red

Ordering information

Part number	Description
EL-AHR-S	Coated Aluminium Hasp with 25mm Shackle
EL-AHR-L	Coated Aluminium Hasp with 38mm Shackle

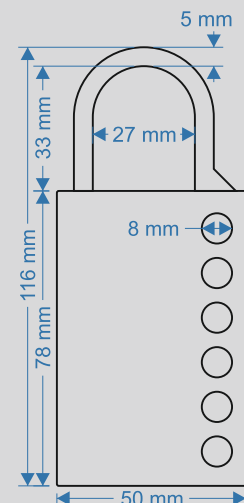


Oxidised Aluminium Lockout Hasp

- Material : Oxidised aluminium alloy
- Shackle inside dimensions : 27 x 33mm
- Shackle diameter : 5mm
- Number of lock holes : 6
- Lock hole diameter : 8mm
- Dimensions : 50 x 116mm
- * Hasp body colour : Yellow

Ordering information

Part number	Description
EL-YSH-6	Oxidised Aluminium Hasp Yellow



Non-conductive Nylon Lockout Hasp

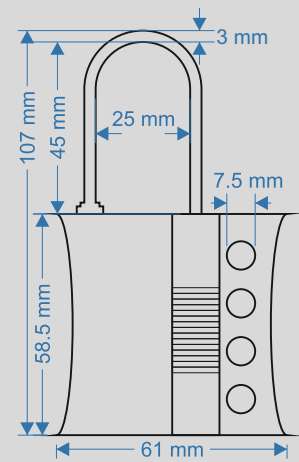
- Suitable for electrical and explosion proof applications
- Shackle inside dimensions : 25 x 45mm
- Shackle diameter : 3mm
- Number of lock holes : 4
- Lock hole diameter : 7.5mm
- Dimensions : 61 x 107mm
- * Hasp body colour : Yellow

Ordering information

Part number	Description
EL-NHY-3	Nylon 4 Hole Lockout Hasp Yellow



Hasps & Cables

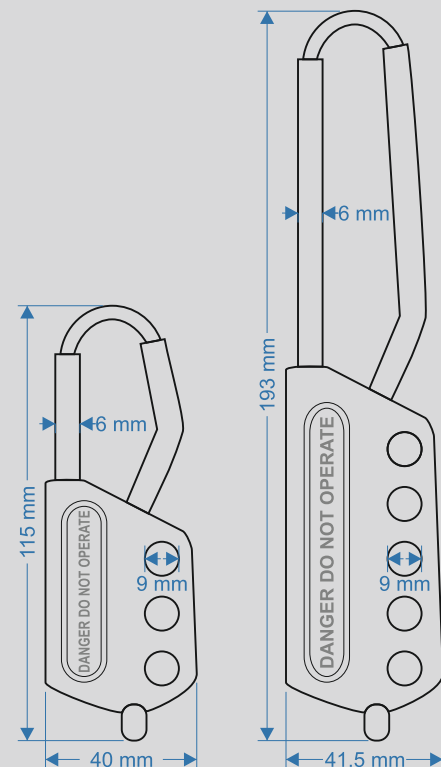


Non-conductive Nylon Lockout Hasps

- Suitable for electrical and explosion proof applications
- Shackle length options
- Number of lock holes : 3 or 6
- Lock hole diameter : 9mm
- Dimensions : 40 x 115mm & 41.5 x 193mm
- * Hasp body colour : Red

Ordering information

Part number	Description
EL-NLH-36	Nylon 3 Hole Lockout Hasp Small
EL-NLH-66	Nylon 6 Hole Lockout Hasp Large



Multi-purpose Lockout Cables

- Wheel or wrench operation options
- Impact resistant nylon lock body
- Stainless steel cable with UV resistant PVC coating
- Suitable for padlock shackles ≤ 7 mm
- Wheel cable dimensions : 4mm diameter x 2 metres
- Wrench cable dimensions : 3.5mm diameter x 2.4 metres

Ordering information

Part number	Description
EL-WM+2M	Wheel Type Cable Lockout 2 Metres
EL-PM+2M	Wrench Type Cable Lockout 2.4 Metres



Push Button Circuit Breaker Lockouts

- Suitable for most existing ISO/DIN circuit breakers
- Pin-in, Pin-out, Pin-out wide, universal and simple options
- Simple push button operation
- Use in conjunction with a padlock to ensure permanent lockout



Ordering information

Part number	Description	Keyhole Colour	Hole Spacing	Keyhole Diameter
EL-PI	Mini Breaker Pin In Standard		≤ 12mm	≤ 7mm
EL-PO	Mini Breaker Pin Out Standard		≤ 12mm	≤ 7mm
EL-POW	Mini Breaker Pin Out Wide		≤ 20mm	≤ 7mm

No-Tool Circuit Breaker Lockouts

- No tools required, simply lock in place by hand
- Fast and easy to install
- Manufactured from durable high strength nylon
- Supplied with the integrated chrome plated brass screw



Ordering information

Part number	Description	Colour	Toggle Switch	Keyhole Diameter
EL-UNHT	Circuit Breaker Lockout - No-tool Type 1		≤ 7.9mm	≤ 7mm
EL-UNHTB	Circuit Breaker Lockout - No-tool Type 2		≤ 12mm	≤ 8.6mm
EL-SPCBL	Circuit Breaker Lockout - No-tool Type 3		≤ 12mm	≤ 8.6mm

Screw Lock Circuit Breaker Lockouts

- Suitable for all types of circuit breakers
- Use a screwdriver to lock in place
- Manufactured from durable high strength nylon
- Accommodates a padlock to ensure permanent lockout



Ordering information

Part number	Description	Colour	Toggle Switch	Keyhole Diameter
EL-SCBL	Circuit Breaker Lockout Aluminium		≤ 7.9mm	≤ 7mm
EL-ABCBL	Circuit Breaker Lockout Nylon - Small		≤ 7.9mm	≤ 7mm
EL-MGCBL	Circuit Breaker Lockout Nylon - Medium		≤ 10.3mm	≤ 7mm
EL-BTCBL	Circuit Breaker Lockout Nylon - Large		≤ 20mm	≤ 7mm

Clamp-on Circuit Breaker Lockouts

- No tools required, simply lock in place using the thumbscrew
- Integrated hinged cover prevents clamp being loosened
- Accommodates a padlock to ensure permanent lockout
- Manufactured from durable high strength nylon



Ordering information

Part number	Description	Colour	Handle Width	Keyhole Diameter
EL-KT-S	Clamp-on Circuit Breaker Lockout Small		≤ 18mm	≤ 7mm
EL-KT-M	Clamp-on Circuit Breaker Lockout Medium		≤ 42mm	≤ 7mm
EL-KT-L	Clamp-on Circuit Breaker Lockout Large		≤ 72mm	≤ 7mm

Electrical Lockout

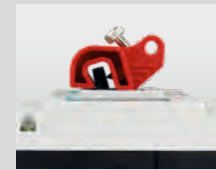


EL-PI

EL-PO



EL-POW



EL-UNHT



EL-UNHTB



EL-SPCBL



EL-SCBL



EL-ABCBL



EL-MGCBL



EL-BTCBL



EL-KT-M



Hinged Cover



Lock in place

Multi-Purpose Electrical Cabinet Lockout Device

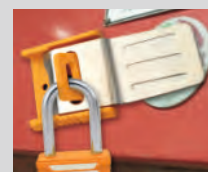
- Manufactured from high strength plastic and galvanised steel
- Designed for use on electrical cabinets and panels
- Lockout applications include switches and cabinet key holes
- Plastic base dimensions : 54x51mm (WxH)



Ordering information

Part number	Description	Keyhole Diameter
EL-YPL-1	Multi-purpose Lockout Device with Flat Lockout Arm	≤ 7mm
EL-YPL-2	Multi-purpose Lockout Device with Raised Lockout Arm	≤ 7mm

Electrical Lockout



EL-YPL-1



EL-YPL-2

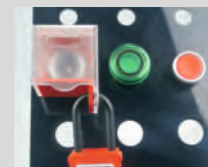
Push-Button, Switch and Socket Lockout

- Manufactured from durable high strength materials
- Simple effective solution
- Suitable for use with a variety of sockets and switches
- Ensure permanent lockout with padlock



Ordering information

Part number	Description	Keyhole Diameter
EL-PB-30	Push-button Box Lockout 47.3x50mm c/w 30mm Diameter Hole	≤ 7mm
EL-PBC-55	Push-button Circular Lockout 55x65mm c/w 46mm Diameter Hole	≤ 7mm
EL-WSLB	Universal Switch Lockout Cover 74x74mm	≤ 7mm
EL-WSL-R	Universal Switch Lockout Cover 45x120mm	≤ 7mm



EL-PB-30



EL-PBC-55



EL-WSLB



EL-WSL-R

Electrical Plug and Industrial Socket Lockout

- Manufactured from durable polypropylene
- Quick and easy to install, simple lockout solution
- Electrical plug lockout available in two sizes
- Industrial socket lockout available in 44 or 63mm diameter



Ordering information

Part number	Description	Keyhole Diameter
EL-RPLS	Electrical Plug Lockout Suitable for Cable Diameters ≤ 13mm	≤ 7mm
EL-RPLL	Electrical Plug Lockout Suitable for Cable Diameters ≤ 25mm	≤ 7mm
EL-PSL-M	Industrial Waterproof Socket Lockout 44mm Diameter	≤ 7mm
EL-PSL-L	Industrial Waterproof Socket Lockout 63mm Diameter	≤ 7mm



EL-RPLS



EL-PSL

Pendant Controller Switch Lockout

- Manufactured from tear resistant polyester cloth
- Place bag around the pendant and tighten to secure
- Bags can accommodate multiple devices if required
- Use of a padlock ensures the device can not be operated



Ordering information

Part number	Description	Keyhole Diameter
EL-PNDT-S	Pendant Controller Lockout Bag Small 250x440mm	≤ 7mm
EL-PNDT-L	Pendant Controller Lockout Bag Large 250x660mm	≤ 7mm



EL-PNDT



Gate Valve Lockout

- Manufactured from durable high strength materials
- Simple effective solution
- Available in a range of sizes to suit the valve diameter
- Permanently lockout with a padlock



Ordering information

Part number	Description	Keyhole Diameter
EL-GVL-1	Gate Valve Lockout with Diameter Range 25 - 64mm	≤ 7mm
EL-GVL-2	Gate Valve Lockout with Diameter Range 64 - 127mm	≤ 7mm
EL-GVL-3	Gate Valve Lockout with Diameter Range 127 - 165mm	≤ 7mm
EL-GVL-4	Gate Valve Lockout with Diameter Range 165 - 254mm	≤ 7mm
EL-GVL-5	Gate Valve Lockout with Diameter Range 254 - 330mm	≤ 7mm
EL-AGVL-6	Adjustable Gate Valve Lockout with Diameter Range 25 - 165mm	≤ 7mm

Ball Valve Lockout

- Manufactured from durable high strength Polypropylene
- Lock handle in required position
- Adjustable to suit a range of pipe diameters
- Permanently lockout with a padlock



Ordering information

Part number	Description	Keyhole Diameter
EL-RBVL-1	Adjustable Ball Valve Lockout with Diameter Range 13 - 64mm	≤ 7mm
EL-RBVL-3	Adjustable Ball Valve Lockout with Diameter Range 50 - 200mm	≤ 7mm
EL-PBVL-2	Adjustable Ball Valve Lockout with Diameter Range 13 - 70mm	≤ 7mm

Butterfly Valve Lockout

- Manufactured from durable high strength Polypropylene
- Lock handle in required position
- Adjustable lock range suit a range of valves
- EL-UBFV is used in conjunction with a cable lockout



Ordering information

Part number	Description	Keyhole Diameter
EL-BFV	Adjustable Butterfly Valve Lockout with Diameter Range 8 - 45mm	≤ 7mm
EL-UBFV	Adjustable Butterfly Valve Lockout with Angle Range 15° - 36°	≤ 4mm

Blind Flange Lockout

- Manufactured from steel and high strength plastic
- Device conceals and prevents removal of flange bolt
- Adjustable range of 23 - 32mm
- Complete the lockout with use of a padlock



Ordering information

Part number	Description	Keyhole Diameter
EL-FLNG	Adjustable Blind Flange Lockout with Range of 23 - 32mm	≤ 7mm

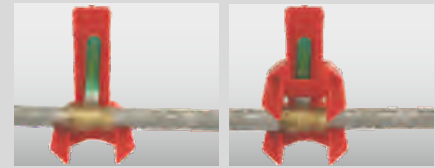
Mechanical Lockout



EL-GVL-*



EL-AGVL-6



EL-RBVL-*



EL-PBVL-2



EL-BFV

EL-UBFV



EL-FLNG

Lockout Device Storage Cabinet

- Lockable steel storage cabinet
- Two movable shelves provide a flexible storage space
- Wall mount for ease of use and accessibility
- Can accommodate multiple lockout tagout devices



Ordering information

Part number	Description	Dimensions (WxHxD)
EL-LSW2SC	Lockable Wall Mountable Steel Storage Cabinet	360 x 450 x 155mm

Storage & Stations



EL-LSW2SC

Key Management Storage Cabinet

- Lockable steel key management storage cabinet
- Keys can be arranged in an organised fashion
- Wall mount for ease of use and accessibility
- 48 key positions with labelling above each key hook



Ordering information

Part number	Description	Dimensions (WxHxD)
EL-KS48	Lockable Wall Mountable Steel Storage Cabinet	305 x 500 x 50mm



EL-KS48

Lockout Tagout Stations

- Stations with lockable cover or open station options
- Store and protect lockout tagout devices
- Wall mount for ease of use and accessibility
- Available in a range of sizes to suit your requirements



Ordering information

Part number	Description	Dimensions (WxHxD)
EL-LSWC-5L	Small Lockout Station with Cover. (5 hooks)	406 x 315 x 65mm
EL-LSWC-10L	Large Lockout Station with Cover. (14 hooks)	558 x 395 x 65mm
EL-LS5L2H	Small Lockout Station without Cover. (9 hooks)	385 x 290 x 45mm
EL-LS10L2H	Large Lockout Station without Cover. (18 hooks)	360 x 350 x 45mm



EL-LSWC-5L



EL-LSWC-10L



EL-LS5L2H



EL-LS10L2H

Portable LOTO Storage Solutions

- Red steel lockout box can accommodate 12 padlocks
- Box can accommodate several locks, hasps and devices
- Blue carry bag with hand and shoulder straps
- Tear resistant material for added durability



Ordering information

Part number	Description	Dimensions (WxHxD)
EL-GLB-13	Red Steel Lockout Box	233 x 195 x 95mm
EL-BAG-S	Blue Fabric Carry Bag	310 x 230 x 200mm

Write-on Double Sided Tags

- A range of lockout safety tags with pre-printed warning messages



EL-TAG01



EL-TAG02



EL-TAG03



EL-TAG04



EL-TAG05



EL-TAG06



EL-TAG07



EL-DTAG100

LOTO Identification

- Pre-printed warning messages
- Printed on both sides of tag
- Highly visible colours
- Clear instructions
- Easy to read from distance
- Visible in low level lighting
- Laminated for durability
- Resistant to grease and dirt
- Write-on area for additional information
- Wipe off hand written text and re-use
- Fixing hole allows attachment to device
- Brass fixing ring for added pull strength

- Dimensions : 80 x 143mm (WxH)
- Hole diameter : 10mm
- Material : PVC

Ladder & Scaffold Tags

- Manufactured from durable high strength ABS material
- Supplied with write-on coloured insert tags
- Fixing holes for attachment to equipment
- Write-on area for additional information



Ordering information

Part number	Description
EL-LADTAGINS	Holder dimensions : 55.7 x 212 x 6mm (WxHxD) Insert tag dimensions : 51 x 182mm (WxH) Fixing slots : 4 off 4 x 8mm (WxH) Fixing holes : 2 off 3mm diameter
EL-SCAFTAGINS	Holder dimensions : 92 x 192.9 x 6mm (WxHxD) Insert tag dimensions : 85 x 210mm (WxH) Fixing slots : 4 off 3.9 x 9mm (WxH) Fixing holes : 2 off 3.2mm diameter

LADDER INSPECTION TAG

REF No: _____

LADDER CLASS: _____

DUTY / USE: _____

RISK ASSESSED INSPECTION PERIOD: _____

NEXT LADDER INSPECTION TAG

P.T.O. FOR FURTHER INFORMATION EXPLOTO

EL-LADTAGINS

LADDER INSPECTION CHECKLIST

ONLY USE LADDERS FOR LIGHT DUTY, SHORT DURATION WORK

PRE-USE CHECKS

- Look for any wear, decay, dents, cracks, splits or warping
- Look for any loose or missing rungs.
- Ends of the stiles to be sound & in good condition.
- Metal tie rods to be in place under rung on wooden ladders.
- Ropes must not be frayed or in any way un sound.
- Ladders must be clean, free of all oil, grease, dirt & any other contaminant.
- Wooden ladders should not be painted (defects may be hidden).
- All anti-slip feet to be in place & worn components to be replaced.

IN USE CHECKS

- Ladder to be on a sound base.
- Ladder to be at an angle of 75° ratio of 1 out to 4 vertical.
- Maintain 3 points of contact with the ladder at all times.
- DO NOT OVER REACH - move the ladder.
- The ladder should be tied to prevent slipping.
- If it is impossible to secure the ladder, get a second person to foot the ladder.
- Do not carry any equipment or material when climbing the ladder. Provision must be made for materials and/or equipment to be carried in a tool belt or shoulder bag or use a hoist line.
- When using step ladders the rungs must face the work activity - do not work side on.
- Step ladders must be on a firm & level surface.

SCAFFOLD TAG

ERECTION AND INSPECTION RECORD

TO BE COMPLETED BY SUPERVISOR

LOCATION: _____

REF. NO.: _____

REQUESTED BY: _____

BUILT BY: _____

DATE: _____

SIGNATURE: _____

STRUCTURE TO BE USED FOR

LIGHT DUTY 1.50 kN/m² / 150Kg/m²

GENERAL PURPOSE 2.00 kN/m² / 200Kg/m²

HEAVY DUTY 2.50 kN/m² / 250Kg/m²

SPECIAL PURPOSE _____ Kg/m²

TO BE COMPLETED BY INSPECTOR

INSPECTORS SIGNATURE: _____

DATE: _____

BEFORE BEING TAKEN INTO USE FOR THE FIRST TIME

EL-SCAFTAGINS

WARNING

UNLAWFUL REMOVAL OR INTERFERENCE WITH THIS SIGN COULD MAKE YOU LIABLE TO PROSECUTION AND FINES

AUTHORISED PERSON

DATE	SIGNED

No. of RUNGS: _____

No. of STANDARDS: _____

No. of LIFTS: _____

AREA OF BOARDING: _____

STRUCTURE DECOMMISSIONED DATE: _____

LOTO Identification

Insert Card Identification System

Green card
Ladder/scaffold is **"Safe to Use"**

Yellow card
Ladder/scaffold is **"Under Maintenance"**

Red card (no card)
Ladder/scaffold **"Do Not Use"**

- Pre-printed holder and insert tags
- Highly visible colours
- Clear instructions
- Easy to read from distance
- Visible in low level lighting
- Resistant to grease and dirt
- Write-on area for additional information
- Wipe off hand written text and re-use
- Various fixing holes options on holder

- Holder : High strength ABS
- Insert tag : PVC



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