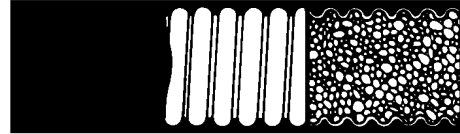




Technical Data Sheet

LS1-LOW ACID PVC PLIABLE CONDUIT

CONSTRUCTION (LAYERS):
 BLACK FLAME RETARDANT
 LOW ACID PVC COVERING
 LEAD COATED STEEL
 KRAFT PAPER



Larger sizes may have additional layers

RECOMMENDED CONNECTORS:
 C12 – BCM¹ or BCE¹

CONDUIT SIZE (mm)	12	16	20	25	32
ORDERING CODES	PSBF 0210 PSBF 0230	PSBF 0310 PSBF 0330	PSBF 0410 PSBF 0430	PSBF 0510 PSBF 0530	PSBF 0610 PSBF 0620
DIMENSIONS:					
INSIDE DIAMETER (mm)	8.3	11.6	14.6	20.4	26.7
OUTSIDE DIAMETER (mm)	14.6	17.8	21.0	27.3	34.0
MINIMUM BEND RADIUS (mm)	25.0	30.0	35.0	45.0	55.0
AVERAGE WEIGHT (kg/100m)	22.6	27.2	32.0	48.0	78.5
MECHANICAL CLASSIFICATIONS:					
CONNECTOR PULL-OFF	MEDIUM	MEDIUM	MEDIUM	HEAVY	HEAVY
CONDUIT CRUSH	HEAVY	HEAVY	HEAVY	HEAVY	HEAVY

CONDUIT SIZE (mm)	40	50	63	75
ORDERING CODES	PSBF 0710 PSBF 0720	PSBF 0810 PSBF 0820	PSBF 0910 PSBF 0920	PSBF 1010 PSBF 1020
DIMENSIONS:				
INSIDE DIAMETER (mm)	32.8	45.3	56.3	69.2
OUTSIDE DIAMETER (mm)	40.4	53.1	65.9	79.0
MINIMUM BEND RADIUS (mm)	70.0	110.0	145.0	185.0
AVERAGE WEIGHT (kg/100m)	98.0	140.0	197.0	234.0
MECHANICAL CLASSIFICATIONS:				
CONNECTOR PULL-OFF	HEAVY	HEAVY	HEAVY	HEAVY
CONDUIT CRUSH	HEAVY	HEAVY	HEAVY	HEAVY

FOR TEST METHODS AND EXPLANATION OF CLASSIFICATIONS SEE SHEET 810100.
 FOR PERFORMANCE DETAILS OF PVC COVERING MATERIAL SEE SHEET 810084.

OTHER PROPERTIES:

ELECTRICAL BREAKDOWN VOLTAGE
 INSULATION RESISTANCE
 RESISTANCE TO FLAME PROPAGATION
 IP RATING WITH RECOMMENDED CONNECTOR

GREATER THAN 2kV.
 GREATER THAN 100MΩ
 FLAME DIES IN LESS THAN 30 SECONDS AFTER IGNITION SOURCE REMOVED.
 IP 66 (NO INGRESS OF TALCUM POWDER UNDER VACUUM AND NO INGRESS OF WATER WITH NOZZLE SPRAY FROM 3m).
 IP 67 (NO INGRESS OF TALCUM POWDER UNDER VACUUM AND NO INGRESS OF WATER AT 1m DEPTH FOR 30 MINUTES).
 - 40 TO + 105° C.
 74 dB AT 1MHz WITH C12 CONNECTOR

OPERATING TEMPERATURE OF COVERING
 EMC SCREENING LEVEL

KOPEX PLIABLE CONDUIT IS INTENDED TO PROTECT CABLES THAT WILL REMAIN STATIC OR WILL VIBRATE UNDER NORMAL INSTALLATION CONDITIONS.
 KOPEX PLIABLE CONDUIT MUST NOT BE USED TO PROTECT CABLES THAT WILL CONTINUALLY FLEX IN SERVICE .
 WHEN INSTALLING WIRING SYSTEMS, ADHERENCE TO THE CURRENT WIRING REGULATIONS, BS7671, IS STRONGLY ADVISED.

The Company's policy is one of continuous improvement and reserves the right to change specifications at any time without prior notice.