

MULTI-PAIR, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, LSZH BEDDING, STEEL WIRE ARMOUR, LSZH OUTER SHEATH

APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Recommended for direct burial

INS-MINES XLPE IOS LSZH SWA LSZH

CONSTRUCTION

CONDUCTOR	Multi-strand plain annealed copper
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	Black and white insulated cores; numbered alpha and numerically, at regular intervals
INDIVIDUAL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm ² size tinned annealed copper drain wire. All individual screens are numbered alpha and numerically, at regular intervals. All individual screens are sealed, and electrically insulated
OVERALL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm ² size tinned annealed copper drain wire
BEDDING SHEATH	Low Smoke Zero Halogen (LSZH).The standard bedding sheath colour is black
ARMOUR	Single layer of galvanised Steel Wire (SW)
OUTER SHEATH	Low Smoke Zero Halogen (LSZH).The standard outer sheath colour is black with a white stripe to signify zero halogen emission

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
0.5mm ² (7/0.3) Conductors					
2	9.6	13.8	138	1000	343
4	11.0	15.2	152	1000	445
8	14.2	19.5	195	1000	724
12	17.2	22.5	225	1000	1072
16	19.4	25.4	254	1000	1209
24	23.4	29.8	298	1000	1587

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PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
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1.0mm² (14/0.3) Conductors

2	11.0	15.8	158	1000	429
4	12.3	17.3	173	1000	530
8	16.4	22.7	227	1000	940
12	20.6	25.9	259	1000	1182
16	23.0	30.2	302	1000	1851
24	29.7	36.9	369	1000	2220

1.5mm² (19/0.3) Conductors

2	11.9	16.1	161	1000	456
4	13.8	18.4	184	1000	588
8	17.6	22.8	228	1000	1008
12	22.3	28.7	287	1000	1702
16	25.2	32.4	324	1000	2054
24	30.5	37.7	377	1000	2635

300V / 90°C

