

SINGLE & MULTI-PAIR, XLPE INSULATION, 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 OS 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
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						
	1	5.6	9.8	98	1000	210
	2	8.3	12.5	125	1000	304
	4	9.2	13.4	134	1000	350
	8	11.8	16.0	160	1000	465
	12	14.2	19.8	198	1000	849
	16	16.5	21.8	218	1000	923
	24	19.3	26.1	261	1000	1352

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

Page 2 of 2

INS-MINES XLPE OS LSZH SWA LSZH

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)
1.0mm² (14/0.3) Conductors					
1	6.4	10.7	107	1000	236
2	9.4	13.6	136	1000	350
4	11.2	15.4	154	1000	444
8	14.1	19.4	194	1000	755
12	18.0	23.2	232	1000	924
16	19.8	25.9	259	1000	1507
24	24.7	31.2	312	1000	1969
1.5mm² (19/0.3) Conductors					
1	7.0	11.2	112	1000	253
2	10.3	14.5	145	1000	391
4	12.3	16.5	165	1000	517
8	15.5	20.8	208	1000	850
12	19.7	25.7	257	1000	1320
16	21.9	28.3	283	1000	1545
24	26.6	33.8	338	1000	2232

300V / 90°C

