

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

APPLICATION

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

INS-MINES XLPE OS LHPVC SWA LHPVC

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 Halogen Polyvinyl Chloride (LHPVC). The standard bedding sheath colour is black
ARMOUR	Single layer of galvanised Steel Wire (SW)
OUTER SHEATH	Low Halogen Polyvinyl Chloride (LHPVC). The standard outer sheath colour is black with a blue stripe to signify reduced 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	186
2	8.3	12.5	125	1000	306
4	9.2	13.4	134	1000	363
8	11.8	16.0	160	1000	488
12	14.5	19.8	198	1000	742
16	16.5	21.8	218	1000	951
24	19.2	25.2	252	1000	1389

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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	6.5	10.7	107	1000	237
2	9.7	13.9	139	1000	367
4	11.2	15.5	155	1000	387
8	14.1	19.4	194	1000	723
12	17.9	23.2	232	1000	1005
16	19.8	25.9	259	1000	1322
24	24.0	31.6	316	1000	2016
1.5mm² (19/0.3) Conductors					
1	7.0	11.2	112	1000	260
2	10.3	14.5	145	1000	451
4	12.3	16.5	165	1000	564
8	15.5	20.8	208	1000	937
12	19.7	25.7	257	1000	1319
16	21.9	28.3	283	1000	1589
24	26.6	33.8	338	1000	2312

300V / 90°C

