

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

APPLICATION

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

INS-B19

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
WRAPPING	Polyester tape
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is black
ARMOUR	Single layer of galvanised steel wire (SW)
OUTER SHEATH	Polyvinyl Chloride (PVC).The standard outer sheath colour is black

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	5.3	9.5	95	1000	183
2	7.3	11.5	115	1000	254
4	9.2	13.4	134	1000	341
8	11.9	16.1	161	1000	480
12	15.0	20.3	203	1000	775
16	16.3	21.6	216	1000	877
24	19.6	25.6	256	1000	1277
36	23.6	29.8	298	1000	1616
50	27.7	34.9	349	1000	2266

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

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 Conductors					
1	6.5	10.7	107	1000	237
2	8.5	12.7	127	1000	309
4	11.3	15.5	155	1000	450
8	14.2	19.5	195	1000	755
12	18.0	23.3	233	1000	1010
16	19.6	25.6	256	1000	1317
24	24.1	31.3	313	1000	1968
36	28.7	35.9	359	1000	2546
50	34.0	42.6	426	1000	3621
1.5mm² (19/0.3) Conductors					
1	7.1	12.7	127	1000	327
2	9.3	13.5	135	1000	363
4	12.4	16.6	166	1000	512
8	16.0	21.3	213	1000	898
12	19.8	25.8	258	1000	1326
16	22.4	28.8	288	1000	1623
24	27.1	34.3	343	1000	2342
36	32.1	40.8	408	1000	3417
50	37.6	46.2	462	1000	4273

300V / 90°C

