

MULTI-PAIR, XLPE INSULATION, INDIVIDUAL & 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-B7

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	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					
2	9.5	13.7	137	1000	335
4	11.4	17.8	178	1000	655
8	13.9	20.7	207	1000	851
12	17.3	24.2	242	1000	1103
16	19.7	27.8	278	1000	1511
24	23.6	32.0	320	1000	1905
36	29.0	36.2	362	1000	2403
50	34.3	42.9	429	1000	3423

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PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	BEDDING DIAMETER UNDER APL (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
1.0mm² (14/0.3) Conductors					
2	11.5	15.8	158	1000	447
4	13.0	19.5	195	1000	787
8	17.4	24.2	242	1000	1181
12	21.2	29.3	293	1000	1708
16	24.5	33.3	333	1000	2144
24	28.8	37.6	376	1000	2676
36	35.2	43.8	438	1000	3621
50	41.2	51.2	512	1000	5043
1.5mm² (19/0.3) Conductors					
2	12.6	16.8	168	1000	485
4	14.7	21.5	215	1000	897
8	19.0	27.1	271	1000	1470
12	24.2	32.6	326	1000	1953
16	26.9	36.2	362	1000	2337
24	32.6	42.8	428	1000	3323
36	38.8	47.9	479	1000	4156
50	45.5	55.5	555	1000	5807

300V / 90°C

