

## MULTI-PAIR, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, APL/POLYETHYLENE SHEATH

### APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Not recommended for direct burial

INS-B1

### 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 <sup>2</sup> 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 <sup>2</sup> size tinned annealed copper drain wire
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is black
BARRIER SHEATH	Aluminium Polyethylene Laminated (APL) tape/Polyethylene over a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire. The standard outer sheath colour is black

### 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)
0.5mm <sup>2</sup> (7/0.3) Conductors					
2	9.5	12.4	112	1000	152
4	11.4	15.1	136	1000	239
8	13.9	17.4	157	1000	341
12	17.3	21.1	190	1000	468
16	19.7	23.7	213	1000	603
24	23.6	27.5	248	1000	821
36	29.0	32.7	294	1000	1172
50	34.3	38.4	346	1000	1587

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#### 1.0mm<sup>2</sup> (14/0.3) Conductors

2	11.5	14.9	134	1000	237
4	13.0	16.0	145	1000	312
8	17.4	21.1	190	1000	550
12	21.2	24.9	225	1000	734
16	24.5	28.0	252	1000	972
24	28.8	32.7	294	1000	1320
36	35.2	39.5	356	1000	1740
50	41.2	45.3	409	1000	2287

#### 1.5mm<sup>2</sup> (19/0.3) Conductors

2	12.6	15.9	144	1000	256
4	14.0	18.2	164	1000	350
8	19.0	22.7	205	1000	585
12	24.2	28.1	253	1000	840
16	26.9	31.4	284	1000	1070
24	32.6	37.1	334	1000	1505
36	38.8	42.9	386	1000	2094
50	45.5	49.6	447	1000	2773

300V / 90°C

