

## SINGLE & MULTI-TRIAD, XLPE INSULATION, OVERALL SCREENED, PVC BEDDING APL/POLYETHYLENE OUTER SHEATH

### APPLICATION

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

INS-T13 XLPE OS PVC APL PE

### CONSTRUCTION

CONDUCTOR	7 strand plain annealed copper
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	Black, white and red insulated cores; numbered alpha and numerically, at regular intervals
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
ARMOUR	Aluminium Polyethylene Laminated (APL) tape over a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire
OUTER SHEATH	Polyethylene (PE).The standard outer sheath colour is black

### PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF TRIADS	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					
1	5.4	8.9	81	1000	88
2	9.5	13.0	117	1000	158
4	11.0	14.9	134	1000	211
8	14.0	17.9	161	1000	321
12	17.8	21.7	195	1000	455
16	19.8	24.1	217	1000	570
24	24.1	28.4	256	1000	797

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NO. OF TRIADS	BEDDING DIAMETER UNDER APL (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
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**1.0mm<sup>2</sup> (14/0.3) Conductors**

1	6.7	10.2	92	1000	118
2	11.4	14.8	133	1000	198
4	13.2	17.2	155	1000	297
8	17.3	21.2	191	1000	483
12	21.6	25.9	233	1000	700
16	24.5	28.8	259	1000	895
24	29.7	34.4	310	1000	1290

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

1	7.3	10.8	97	1000	134
2	12.5	16.5	149	1000	254
4	14.7	18.6	167	1000	360
8	19.1	23.4	211	1000	625
12	24.4	28.7	258	1000	896
16	28.6	32.9	296	1000	1280
24	33.0	37.7	339	1000	1622

300V / 90°C

