

## MULTI-TRIAD, 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-T1

### CONSTRUCTION

CONDUCTOR	Multi-strand plain annealed copper
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	Black, white and red 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 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					
2	9.9	13.4	121	1000	175
4	11.5	15.4	139	1000	241
8	15.0	18.9	170	1000	400
12	18.7	22.6	203	1000	543
16	20.8	25.1	226	1000	686
24	25.3	29.6	266	1000	973

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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

2	11.9	15.8	142	1000	238
4	13.8	17.7	159	1000	334
8	18.0	21.9	197	1000	561
12	22.9	27.3	246	1000	822
16	25.6	29.9	269	1000	1027
24	31.0	35.7	321	1000	1483

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

2	13.0	16.9	152	1000	265
4	15.2	19.1	172	1000	394
8	19.8	24.1	217	1000	691
12	25.3	29.6	266	1000	998
16	28.6	32.9	296	1000	1280
24	34.6	39.3	354	1000	1849

300V / 90°C

