

MULTI-TRIAD, XLPE INSULATION, INDIVIDUAL & OVERALL SCREENED, PVC, APL/POLYETHYLENE SHEATH

APPLICATION

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

INS-T1 XLPE IOS PVC APL PE

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 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
BARRIER SHEATH	Aluminium Polyethylene Laminated (APL) tape/Polyethylene over a 7 strand 0.50mm ² 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 ² (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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1.0mm ² (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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1.5mm ² (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

