

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 and white insulated cores; numbered alpha and numerically, at regular intervals.
INDIVIDUAL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm ² sized 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 sized 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 tinned annealed copper drain wire. The standard outer sheath colour is black.

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF TRIADS	PRODUCT CODE	BEDDING DIAMETER UNDER APL (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)	SUGGESTED GLAND SIZE
0.5mm ² (7/0.3) Conductors							
2	OS04230	9.9	13.4	121	1000	175	1
4	OS03222	11.5	15.4	139	1000	241	2
8	OS03535	15.0	18.9	170	1000	400	2
12	OS03167	18.7	22.6	203	1000	543	3
16	OS04228	20.8	25.1	226	1000	686	3
24	OS03587	25.3	29.6	266	1000	973	4

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1.0mm ² (14/0.3) Conductors							
2	OS04586	11.9	15.8	142	1000	238	2
4	OS03759	13.8	17.7	159	1000	334	2
8	OS03760	18.0	21.9	197	1000	561	3
12	OS02860	22.9	27.3	246	1000	822	4
16	OS04076	25.6	29.9	269	1000	1027	4
24	OS03761	31.0	35.7	321	1000	1483	5

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	PRODUCT CODE	BEDDING DIAMETER UNDER APL (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)	SUGGESTED GLAND SIZE
1.5mm ² (19/0.3) Conductors							
2	OS03664	12.65	16.9	152	1000	265	2
4	OS03048	14.70	19.1	172	1000	394	2
8	OS03050	19.05	24.1	217	1000	691	3
12	OS03052	24.20	29.6	266	1000	998	4
16	OS03203	26.95	32.9	296	1000	1280	4
24	OS03054	32.60	39.3	354	1000	1849	5

300V / 90°C

