

SINGLE & MULTI-TRIAD, XLPE INSULATION, OVERALL SCREENED, PVC BEDDING STEEL WIRE ARMOUR, PVC OUTER SHEATH

APPLICATION

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

INS-T19

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
OVERALL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm ² size tinned annealed copper drain wire
WRAPPING	Polyester tape
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is black
ARMOUR	Single layer of galvanised steel wire (SW)
OUTER SHEATH	Polyvinyl Chloride (PVC).The standard outer sheath colour is black

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF TRIADS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
0.5mm ² (7/0.3) Conductors					
1	5.4	9.6	96	1000	144
2	9.8	14.4	144	1000	351
4	11.4	15.5	155	1000	410
8	14.3	19.6	196	1000	687
12	18.1	23.4	234	1000	907
16	20.1	26.1	261	1000	1215
24	24.5	31.7	317	1000	1812

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NO. OF TRIADS	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
1.0mm² (14/0.3) Conductors					
1	6.3	10.5	105	1000	226
2	11.4	15.6	156	1000	412
4	13.3	17.9	179	1000	538
8	17.4	22.7	227	1000	927
12	21.7	27.7	277	1000	1393
16	24.6	31.8	318	1000	1908
24	29.8	37.0	370	1000	2456
1.5mm² (19/0.3) Conductors					
1	6.9	11.1	111	1000	254
2	12.6	16.8	168	1000	459
4	14.7	20.0	200	1000	733
8	19.2	25.2	252	1000	1235
12	24.4	31.6	316	1000	1905
16	27.2	34.4	344	1000	2228
24	33.0	41.6	416	1000	3278

300V / 90°C

