

MULTI-TRIAD, XLPE INSULATION, INDIVIDUAL & 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-T7

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
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					
2	10.3	15.6	156	1000	462
4	11.9	17.2	172	1000	563
8	15.0	20.3	203	1000	767
12	19.1	25.1	251	1000	1174
16	21.2	27.2	272	1000	1367
24	25.6	32.8	328	1000	2011

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Page 2 of 2

INS-T7

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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)
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1.0mm² (14/0.3) Conductors

2	11.9	16.1	161	1000	435
4	13.8	19.1	191	1000	686
8	18.0	23.3	233	1000	1010
12	22.9	29.4	294	1000	1567
16	26.0	34.6	346	1000	2413
24	31.0	39.6	396	1000	3060

1.5mm² (19/0.3) Conductors

2	13.0	17.2	172	1000	483
4	15.2	20.5	205	1000	777
8	19.8	25.8	258	1000	1317
12	25.3	32.5	325	1000	2028
16	28.6	35.8	358	1000	2435
24	34.6	43.2	432	1000	3582

300V / 90°C

