

SINGLE & MULTI-PAIR, XLPE INSULATION, OVERALL SCREENED, PVC BEDDING APL/POLYETHYLENE OUTER SHEATH

APPLICATION

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

INS-B13

CONSTRUCTION

CONDUCTOR	7 strand plain annealed copper
INSULATION	Cross Linked Polyethylene (XLPE)
CORE IDENTIFICATION	Black and white 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
BEDDING SHEATH	Polyvinyl Chloride (PVC).The standard bedding sheath colour is black
ARMOUR	Aluminium Polyethylene Laminated (APL) tape over a 7 strand 0.50mm ² size tinned annealed copper drain wire
OUTER SHEATH	Polyethylene (PE).The standard outer sheath colour is black

PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	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					
1	5.3	8.2	74	1000	79
2	7.3	10.2	92	1000	116
4	9.2	11.9	107	1000	163
8	11.9	14.8	133	1000	260
12	15.0	18.3	165	1000	371
16	16.3	19.6	176	1000	441
24	19.6	22.9	206	1000	601
36	23.4	27.1	244	1000	821
50	27.7	31.4	283	1000	1090

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1.0mm² (14/0.3) Conductors					
1	6.5	9.4	85	1000	109
2	8.5	12.2	110	1000	152
4	11.3	14.2	128	1000	233
8	14.2	17.5	158	1000	372
12	18.0	21.3	192	1000	530
16	19.6	23.3	210	1000	655
24	24.1	27.8	250	1000	934
36	28.7	32.4	292	1000	1317
50	34.0	38.1	343	1000	1788
1.5mm² (19/0.3) Conductors					
1	7.1	10.4	94	1000	122
2	9.3	12.2	110	1000	185
4	12.4	15.7	141	1000	289
8	16.0	19.3	174	1000	473
12	19.8	23.1	208	1000	649
16	22.4	26.1	235	1000	846
24	27.1	30.8	277	1000	1194
36	32.2	36.3	327	1000	1711
50	37.6	41.7	375	1000	2260

300V / 90°C

