

SINGLE & MULTI-PAIR, 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-B19

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.
OVERALL SCREEN	Aluminium/polyester tape with a 7 strand 0.50mm ² sized 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 PAIRS	PRODUCT CODE	BEDDING DIAMETER UNDER SWA (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							
1	OS02694	5.3	9.5	95	1000	183	00
2	OS02696	7.3	11.5	115	1000	254	0
4	OS02697	9.2	13.4	134	1000	341	0
8	OS02698	11.9	16.1	161	1000	480	1
12	OS03248	15.0	20.3	203	1000	775	2s
16	OS02700	16.3	21.6	216	1000	877	2s
24	OS02702	19.6	25.6	256	1000	1277	2
36	OS02703	23.6	29.8	298	1000	1616	3
50	OS02704	27.7	34.9	349	1000	2266	4s

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NO. OF PAIRS	PRODUCT CODE	BEDDING DIAMETER UNDER SWA (mm)	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)	SUGGESTED GLAND SIZE
1.0mm² Conductors							
1	OS03279	6.5	10.7	107	1000	237	00
2	OS03318	8.5	12.7	127	1000	309	0
4	OS02733	11.3	15.5	155	1000	450	1
8	OS03192	14.2	19.5	195	1000	755	2s
12	OS01772	18.0	23.3	233	1000	1010	2
16	OS02764	19.6	25.6	256	1000	1317	3s
24	OS02766	24.1	31.3	313	1000	1968	3
36	OS03392	28.7	35.9	359	1000	2546	4s
50	OS03400	34.0	42.6	426	1000	3621	5s
1.5mm² (19/0.3) Conductors							
1	OS03356	7.1	12.7	127	1000	327	00
2	OS03297	9.3	13.5	135	1000	363	0
4	OS02735	12.4	16.6	166	1000	512	1
8	OS02768	16.0	21.3	213	1000	898	2s
12	OS02770	19.8	25.8	258	1000	1326	3s
16	OS02772	22.4	28.8	288	1000	1623	3
24	OS03360	27.1	34.3	343	1000	2342	4s
36	OS03389	32.15	40.8	408	1000	3417	4
50	OS03402	37.6	46.2	462	1000	4273	5

300V / 90°C

