

Signalling Cable Type A1, A2, A3

Application

Light duty LSZH–sheathed single and multi-core cables generally for internal use. Smooth sheath suitable for installation in ducting.



Standards

NR/PS/SIG/00005
(formerly RT/E/PS/00005)

Conductor

Class 2 stranded tinned conductor to BS EN 60228:2005 (previously BS6360)

Insulation

LSZH (Low Smoke Zero Halogen) or EPR (Ethylene Propylene Rubber) Composite (optional on Type A4)

Separator

PETP (Polyethylene Terephthalate)

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

Black

Voltage Rating

650/1100V

Temperature Rating

-25°C to +85°C

Dimensions

Rail Catalogue Number	Cable Type	No. of Cores x Nominal Cross Sectional Area # x mm ²	No. and Nominal Diameter of Strands #/mm	Nominal Thickness of Sheath mm	Overall Diameter Min. mm	Overall Diameter Max. mm	Nominal Weight kg/Km
006/120001	A1 (blue)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120002	A1 (brown)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120003	A1 (red)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120004	A1 (orange)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120005	A1 (grey)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120006	A1 (violet)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120007	A1 (black)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
006/120008	A1 (black)	1 x 1.15	16/0.30	0.7	2.9	3.6	20
006/120020	A2	1 x 0.75	7/0.37	0.7	4.0	5.0	30
006/120024	A2	1 x 1.15	16/0.30	0.7	4.3	5.3	35
006/120040	A3	2 x 0.75	7/0.37	0.9	6.7	8.8	67
006/120041	A3	4 x 0.75	7/0.37	1.0	8.0	10.4	108
006/120042	A3	6 x 0.75	7/0.37	1.1	9.7	12.5	160
006/120043	A3	10 x 0.75	7/0.37	1.2	12.6	16.1	259
006/120044	A3	14 x 0.75	7/0.37	1.3	13.8	17.7	495
006/120045	A3	36 x 0.75	7/0.37	1.6	21.6	26.9	752
006/120046	A3	48 x 0.75	7/0.37	1.6	24.3	30.7	963

Conductors

Class 2 stranded conductors for single core and multi-core cables

Nominal Cross Sectional Area mm ²	Minimum Number of Wires in the Conductor						Maximum Resistance of Conductor at 20°C	
	Circular		Circular Compacted		Shaped		Annealed Copper Conductor	
	Cu	Al	Cu	Al	Cu	Al	Metal-Coated Wires ohms/Km	
0.75	7	-	-	-	-	-	24.8000	

Table in accordance with BS EN 60228:2005 (previously BS6360).