Signalling Cable Type D1, D2

Application
LSZH single, twin and multi–core cables.

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

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

Insulation
LSZH (Low Smoke Zero Halogen) or EPR (Ethylene Propylene Rubber)

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 mm²	No. and Nominal Diameter of Strands #/mm	Nominal Thickness of Sheath mm	Overall Diameter Min. mm	Overall Diameter Max. mm	Nominal Weight kg/Km
006/120213	D1	1 x 2.50	7/0.67	2.0	7.2	8.9	34
006/120214	D1	1 x 10.00	7/1.35	2.0	9.4	11.8	205
006/120215	D1	1 x 35.00	19/1.53	2.0	12.9	16.1	495
006/120217	D2	2 x 2.50	7/0.67	2.0	10.5	13.1	170
006/120218	D2	2 x 10.00	7/1.35	2.0	15.0	18.7	443
006/120226	D2	2 x 16.00	7/1.70	2.0	16.7	20.9	625
006/120219	D2	2 x 35.00	19/1.53	2.2	22.3	27.8	1232
006/120221	D2	2 x 95.00	19/2.52	2.6	33.2	41.5	2945
006/120222	D2	4 x 0.75	7/0.37	2.0	10.2	12.8	150
006/120227	D2	7 x 0.75	7/0.37	2.0	11.8	14.7	225
006/120229	D2	7 x 2.50	7/0.67	2.0	13.8	17.2	500
006/120230	D2	10 x 0.75	7/0.37	2.0	14.4	18.0	280
006/120233	D2	12 x 0.75	7/0.37	2.0	14.8	18.5	321
006/120235	D2	12 x 2.50	7/0.67	2.0	17.6	22.0	613
006/120236	D2	19 x 0.75	7/0.37	2.0	17.0	21.3	425
006/120210	D2	19 x 2.50	7/0.67	2.0	20.4	25.5	815
006/120238	D2	27 x 0.75	7/0.37	2.0	20.1	25.1	606
006/120239	D2	27 x 1.50	7/0.53	2.2	22.2	27.8	897
006/120241	D2	37 x 0.75	7/0.37	2.2	22.7	28.4	786
006/120242	D2	37 x 1.50	7/0.53	2.2	25.1	31.4	1126
006/120244	D2	48 x 0.75	7/0.37	2.2	25.7	32.2	972
006/120245	D2	48 x 1.50	7/0.53	2.4	28.1	35.1	1280
006/120246	D2	48 x 2.50	7/0.67	2.6	31.2	39.0	1960

Datasheet continues»

Conductors

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

1	2	3	4	5	6	7	9
Nominal Cross Sectional Area mm²	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
1.00	7	-	-	-	-	-	18.2000
1.50	7	-	6	-	-	-	12.2000
2.50	7	-	6	-	-	-	7.5600
4.00	7	-	6	-	-	-	4.7000
6.00	7	-	6	-	-	-	3.1100
10.00	7	7	6	6	-	-	1.8400
16.00	7	7	6	6	-	-	1.1600
35.00	7	7	6	6	6	6	0.5290
70.00	19	19	12	12	12	12	0.2700
95.00	19	19	15	15	15	15	0.1950

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