

# Signalling Cable Type B1, B2

## Application

Heavy duty EPR–insulated and Heavy Duty PCP–sheathed 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

EPR (Ethylene Propylene Rubber)  
Type GP4 to BS7655

## Sheath

HDPCP (Heavy Duty Polychloroprene)  
Type RS2 to BS7655

## 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 <sup>2</sup>	No. and Nominal Diameter of Strands #/mm	Nominal Thickness of Sheath mm	Overall Diameter Min. mm	Overall Diameter Max. mm	Nominal Weight kg/Km
006/120061	B1	1 x 2.50	7/0.67	2.0	7.2	8.9	34
006/120062	B1	1 x 10.00	7/1.35	2.0	9.4	11.8	205
006/120063	B1	1 x 35.00	19/1.53	2.0	12.9	16.1	495
006/120081	B2	2 x 1.50	7/0.53	2.0	9.4	12.1	151
006/120082	B2	2 x 2.50	7/0.67	2.0	10.5	13.1	187
006/120083	B2	2 x 10.00	7/1.35	2.0	15.0	18.7	448
006/120113	B2	2 x 16.00	7/1.70	2.0	16.7	20.9	627
006/120084	B2	2 x 35.00	19/1.53	2.2	22.3	27.8	1185
006/120085	B2	2 x 70.00	19/2.14	2.4	28.8	36.0	1904
006/120086	B2	2 x 95.00	19/2.52	2.6	33.2	41.5	2885
006/120087	B2	4 x 0.75	7/0.37	2.0	10.2	12.8	173
006/120088	B2	4 x 1.50	7/0.53	2.0	10.9	13.7	220
006/120089	B2	4 x 2.50	7/0.67	2.0	11.9	14.8	264
006/120090	B2	7 x 0.75	7/0.37	2.0	11.8	14.7	239
006/120091	B2	7 x 1.50	7/0.53	2.0	12.6	15.8	304
006/120092	B2	7 x 2.50	7/0.67	2.0	13.8	17.2	387
006/120093	B2	10 x 0.75	7/0.37	2.0	14.4	18.0	342
006/120094	B2	10 x 1.50	7/0.53	2.0	15.6	19.4	402
006/120095	B2	10 x 2.50	7/0.67	2.0	17.1	21.3	564
006/120096	B2	12 x 0.75	7/0.37	2.0	14.8	18.5	351
006/120111	B2	6 x 2 x 0.75	7/0.37	2.0	19.7	24.6	469
006/120097	B2	12 x 1.50	7/0.67	2.0	16.0	20.0	466
006/120098	B2	12 x 2.50	7/0.37	2.0	17.6	22.0	612
006/120099	B2	19 x 0.75	7/0.37	2.0	17.0	21.3	490
006/120100	B2	19 x 1.50	7/0.53	2.0	18.5	23.1	649
006/120101	B2	19 x 2.50	7/0.67	2.0	20.4	25.5	886
006/120102	B2	27 x 0.75	7/0.37	2.0	20.1	25.1	637
006/120103	B2	27 x 1.50	7/0.53	2.2	22.2	27.8	850
006/120104	B2	27 x 2.50	7/0.67	2.2	24.6	30.7	1222
006/120105	B2	37 x 0.75	7/0.37	2.2	22.7	28.4	846
006/120106	B2	37 x 1.50	7/0.53	2.2	25.1	31.4	1185
006/120107	B2	37 x 2.50	7/0.67	2.4	27.8	34.7	2030
006/120108	B2	48 x 0.75	7/0.37	2.2	25.7	32.2	1083
006/120109	B2	48 x 1.50	7/0.53	2.4	28.1	35.1	1581
006/120110	B2	48 x 2.50	7/0.67	2.6	31.2	39.0	2010

Datasheet continues»

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## Conductors

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

1	2	3	4	5	6	7	9
Nominal Cross Sectional Area mm <sup>2</sup>	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).