

Signalling Cable Type D1, D2

Eland Product Group **A5R**



Application

LSZH single, twin and multicore cables

Standards

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

Technical Data

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

Eland Part Number	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
A5RD10025	006/120213	D1	1 x 2.50	7/0.67	2.0	7.2	8.9	34
A5RD10010	006/120214	D1	1 x 10.00	7/1.35	2.0	9.4	11.8	205
A5RD10035	006/120215	D1	1 x 35.00	19/1.53	2.0	12.9	16.1	495
A5RD202025	006/120217	D2	2 x 2.50	7/0.67	2.0	10.5	13.1	170
A5RD20210	006/120218	D2	2 x 10.00	7/1.35	2.0	15.0	18.7	443
A5RD20216	006/120226	D2	2 x 16.00	7/1.70	2.0	16.7	20.9	625
A5RD20235	006/120219	D2	2 x 35.00	19/1.53	2.2	22.3	27.8	1232
A5RD20295	006/120221	D2	2 x 95.00	19/2.52	2.6	33.2	41.5	2945
A5RD204075	006/120222	D2	4 x 0.75	7/0.37	2.0	10.2	12.8	150
A5RD207075	006/120227	D2	7 x 0.75	7/0.37	2.0	11.8	14.7	225
A5RD207025	006/120229	D2	7 x 2.50	7/0.67	2.0	13.8	17.2	500
A5RD210075	006/120230	D2	10 x 0.75	7/0.37	2.0	14.4	18.0	280
A5RD212075	006/120233	D2	12 x 0.75	7/0.37	2.0	14.8	18.5	321
A5RD212025	006/120235	D2	12 x 2.50	7/0.67	2.0	17.6	22.0	613
A5RD219075	006/120236	D2	19 x 0.75	7/0.37	2.0	17.0	21.3	425
A5RD219025	006/120210	D2	19 x 2.50	7/0.67	2.0	20.4	25.5	815
A5RD227075	006/120238	D2	27 x 0.75	7/0.37	2.0	20.1	25.1	606
A5RD227015	006/120239	D2	27 x 1.50	7/0.53	2.2	22.2	27.8	897
A5RD237075	006/120241	D2	37 x 0.75	7/0.37	2.2	22.7	28.4	786
A5RD237015	006/120242	D2	37 x 1.50	7/0.53	2.2	25.1	31.4	1126
A5RD248075	006/120244	D2	48 x 0.75	7/0.37	2.2	25.7	32.2	972
A5RD248015	006/120245	D2	48 x 1.50	7/0.53	2.4	28.1	35.1	1280
A5RD248025	006/120246	D2	48 x 2.50	7/0.67	2.6	31.2	39.0	1960

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 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
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)

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.