

Signalling Cable Type A1, A2, A3

Eland Product Group **A5R**



Application

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

Standards

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

Technical Data

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. 0.75 also available in violet, red, orange grey, brown and blue.

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	Thickness of Sheath Min. mm	Overall Diameter Min. mm	Overall Diameter Max. mm	Nominal Weight kg/Km
A5RA1010075BL	006/120001	A1 (blue)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075BR	006/120002	A1 (brown)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075RD	006/120003	A1 (red)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075OR	006/120004	A1 (orange)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075GR	006/120005	A1 (grey)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075VI	006/120006	A1 (violet)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA1010075	006/120007	A1 (black)	1 x 0.75	7/0.37	0.7	2.7	3.2	16
A5RA10015	006/120008	A1 (black)	1 x 1.15	16/0.30	0.7	2.9	3.6	20
A5RA2010075	006/120020	A2	1 x 0.75	7/0.37	0.7	4.0	5.0	30
A5RA2010015	006/120024	A2	1 x 1.15	16/0.30	0.7	4.3	5.3	35
A5RA3020075	006/120040	A3	2 x 0.75	7/0.37	0.9	6.7	8.8	67
A5RA3040075	006/120041	A3	4 x 0.75	7/0.37	1.0	8.0	10.4	108
A5RA3060075	006/120042	A3	6 x 0.75	7/0.37	1.1	9.7	12.5	160
A5RA310075	006/120043	A3	10 x 0.75	7/0.37	1.2	12.6	16.1	259
A5RA314075	006/120044	A3	14 x 0.75	7/0.37	1.3	13.8	17.7	495
A5RA336075	006/120045	A3	36 x 0.75	7/0.37	1.6	21.6	26.9	752
A5RA348075	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

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

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.