

Signalling Cable Type E1, E2, E3 TPWS

Eland Product Group Reference **A5R**

Application

LSZH signalling cable suitable for tails.



Standards

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

Conductor

Class 5 tinned conductor to BS EN 60228:2005 (previously BS6360)

Insulation

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

Drain Wire

Type E3 only

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
A5RE10025	006/120172	E1	1 x 2.5	50/0.25	3.8	11.2	14.0	174
A5RE202025	006/120170	E2	2 x 2.5	50/0.25	3.8	14.9	18.8	359
A5RE204025	006/120171	E2	4 x 2.5	50/0.25	3.8	16.4	20.9	445
A5RE207025	006/120173	E2	7 x 2.5	50/0.25	3.8	18.7	23.7	590
A5RE210025	006/120174	E2	10 x 2.5	50/0.25	3.8	22.5	28.6	784
A5RE212025	006/120175	E2	12 x 2.5	50/0.25	3.8	23.2	29.3	868

Conductors

Class 5 flexible Copper Conductors for Single Core and Multi-Core cables

1	2	4
Nominal Cross Sectional Area mm ²	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C
		Metal-Coated Wires ohms/Km
2.50	0.26	8.2100

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