

NR/PS/ELP/21101 Trackfeeder Cable



Eland Product Group: **A3T**

APPLICATION

Provides the 650/750V DC supply from Traction Substations and Track Paralleling Huts to conductor rails, negative cable connections and where appropriate, bonding.

CONSTRUCTION

Conductor

Class 2 stranded aluminium or tinned copper conductor

Separator

PET (Polyethylene Terephthalate)

Sheath

CSP (Chlorosulphonated Polyethylene) Type RS4 according to BS 6899

CABLE STANDARDS

NR/PS/ELP/21101, BS EN 60228



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

650/750V

Temperature Rating

Fixed: -25°C to +85°C

Minimum Bending Radius

Aluminium conductor - Fixed: 10 x overall diameter

Copper conductor - Fixed: 8 x overall diameter

Sheath Colour

● Black

DIMENSIONS

Positive Track Cables

ELAND PART NO.	NETWORK RAIL PART NO./ PADS	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR MATERIAL	NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL OVERALL DIAMETER mm	ASSIGNED CONTINUOUS CURRENT RATING Amps	NOMINAL WEIGHT kg/km
A3TR500	006/132840	500	Aluminium	61	3.2	28.8	40.2	800	2300
A3TR630CU	006/116612	630	Copper	127	2.52	32.8	44.2	1500	7020
A3TR1000	006/116610	1000	Aluminium	127	3.2	41.6	53	1500	4250

Negative Track Cables

ELAND PART NO.	NETWORK RAIL PART NO. / PADS	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR MATERIAL	NO. OF STRANDS	NOMINAL DIAMETER OF STRANDS mm	NOMINAL DIAMETER OF CONDUCTOR mm	NOMINAL OVERALL DIAMETER mm	ASSIGNED CONTINUOUS CURRENT RATING Amps	NOMINAL WEIGHT kg/km
A3TR150	006/116601	150	Aluminium	37	2.25	15.8	19.4	430	580
A3TR161CU	006/132340	161	Copper	91	1.53	16.8	24.8	550	1950
A3TR240	006/132990	240	Aluminium	61	2.25	20.3	28.3	550	1190
A3TR800	006/132991	800	Aluminium	127	2.85	37.1	48.5	1200	3500