



# 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.

## CHARACTERISTICS

**Voltage Rating**  
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

## CONSTRUCTION

**Conductor**  
Class 2 stranded aluminium or tinned copper conductor

**Separator**  
PET (Polyethylene Terephthalate)

**Sheath**  
CSP (Chlorosulphonated Polyethylene)

**Sheath Colour**  
● Black

## CABLE THIRD-PARTY ACCREDITATION



Network Rail (NR) certified and PADS listed as meeting the requirements for installation within their network

## STANDARDS

NR/PS/ELP/21101, BS EN 60228

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



SCIENCE  
BASED  
TARGETS

BUSINESS  
AMBIITION FOR **1.5°C**



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

### POSITIVE TRACK CABLES

| ELAND PART NO. | NETWORK RAIL<br>PART NO./ PADS | NOMINAL CROSS<br>SECTIONAL AREA<br>mm <sup>2</sup> | CONDUCTOR<br>MATERIAL | NO. OF<br>STRANDS | NOMINAL DIAMETER<br>OF STRANDS<br>mm | NOMINAL DIAMETER<br>OF CONDUCTOR<br>mm | NOMINAL OVERALL<br>DIAMETER<br>mm | ASSIGNED CONTINUOUS<br>CURRENT RATING<br>Amps | NOMINAL<br>WEIGHT<br>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<br>PART NO./ PADS | NOMINAL CROSS<br>SECTIONAL AREA<br>mm <sup>2</sup> | CONDUCTOR<br>MATERIAL | NO. OF<br>STRANDS | NOMINAL DIAMETER<br>OF STRANDS<br>mm | NOMINAL DIAMETER<br>OF CONDUCTOR<br>mm | NOMINAL OVERALL<br>DIAMETER<br>mm | ASSIGNED CONTINUOUS<br>CURRENT RATING<br>Amps | NOMINAL<br>WEIGHT<br>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                       |

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.