Power & distribution cables

NR/PS/ELP/21101 750V DC CSP Trackfeeder

Cable



NR/PS/ELP/21101 / BS EN 60228 · 650/750 V DC · -25°C to +85°C · Min. bend 12 × OD

NR/PS/ELP/21101 / BS EN 60228 | 650/750 V DC

Application

NR/PS/ELP/21101 750V DC CSP Trackfeeder Cable manufactured to NR/PS/ELP/21101 / BS EN 60228, rated 650/750 V DC and -25°C to +85°C with a 12 × OD minimum bending radius for infrastructure & construction installations.

Typical uses: Power distribution & utility networks, Railways, tunnels & public infrastructure, Process instrumentation & oil/gas skids, Industrial automation & control cabinets, Renewable energy, marine & heavy industry

Construction





Cross-section, not to scale

1	Conductor	1×500 mm² (61/3.20 mm Stranded Al, OD 40.2 mm) / 1×630 mm² Tinned Cu
2	Insulation & Core Identification	PET (Polyethylene Terephthalate) heat-barrier separator & inner elastomer layer
3	Screen / Bedding / Armour Layer	Helical PET (Polyethylene Terephthalate) heat-barrier separator tape & inner elastomer layer
4	Outer Protective Sheath	Heavy-duty Black CSP (Chlorosulphonated Polyethylene / HOFR) traction sheath (OD 40.2 mm)

Technical data

Typical values

Nominal / reference voltage	650/750 V DC	Conductor & core insulation	1×500 mm² (61/3.20 mm Stranded Al, OD 40.2 mm) / 1×630 mm² Tinned Cu · PET (Polyethylene Terephthalate) heat-barrier separator & inner elastomer layer
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-25°C to +85°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	NR/PS/ELP/21101 / BS EN 60228
Minimum bending radius	12 × OD	Screening / armour architecture	Helical PET (Polyethylene Terephthalate) heat-barrier separator tape & inner elastomer layer
Outer sheath material & colour	Heavy-duty Black CSP (Chlorosulphonated Polyethylene / HOFR) traction sheath (OD 40.2 mm)	Standards	NR/PS/ELP/21101 / BS EN 60228

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Part designation	Configuration	Conductor & shield	Insulation / wall	Outer sheath	Outer diameter mm	Min. bend radius mm	Max. conductor resistance @ 20 °C Ω/km	Conductor weight kg/km	Cable weight kg/km	Key electrical / optical rating
NR/PS/ELP/21101 750V DC CSP Trackfeeder 3 sizes										
☐ NR/PS/ELP/21101 750V DC CSP Trackfeeder (1×500 mm²)	1×500 mm²	Class 2 Compacted Stranded Aluminium	PET heat-barrier separator & inner elastomer layer	Elastomer Jacket	40.2	482	0.06	1,013.1	2,666	515 A
☐ NR/PS/ELP/21101 750V DC CSP Trackfeeder (1×400 mm²)	1×400 mm²	Class 2 Compacted Stranded Aluminium	PET heat-barrier separator & inner elastomer layer	Elastomer Jacket	47.4	569	0.07	1,410.9	3,713	445 A
☐ NR/PS/ELP/21101 750V DC CSP Trackfeeder (1×630 mm²)	1×630 mm²	Class 2 Compacted Stranded Aluminium	PET heat-barrier separator & inner elastomer layer	Elastomer Jacket	55.5	666	0.04	1,929.6	5,078	585 A

– Dimensions and weights are nominal manufacturing targets subject to standard production tolerances.

Standards and approvals

- ✓ NR/PS/ELP/21101 / BS EN 60228 Compliant
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ CE, UKCA, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone **+86 185 9591 3361**

Email **info@tebaoflex.com**

Web **tebaoflex.com/cables/nr-ps-elp-21101-750v-dc-csp-trackfeeder-cable**

Typical values for this cable type, based on Reference specification per NR/PS/ELP/21101 / BS EN 60228 (NR/PS/ELP/21101 750V DC CSP Trackfeeder). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.