Power & distribution cables

BR 1932 Twin Datalink PE/Al-PE/PE

Cable



BR 1932 / Network Rail PADS 06/166065 · 500 V · -25°C to +85°C · Min. bend 12 × OD

BR 1932 / Network Rail PADS 06/166065 | 500 V

Application

BR 1932 Twin Datalink PE/Al-PE/PE Cable manufactured to BR 1932 / Network Rail PADS 06/166065, rated 500 V 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**	1P×1.27 mm (1/1.27 mm Class 1 Solid Cu)
2	**Insulation & Core Identification**	BR 1932 Type 03 solid PE core insulation (Ø1.27 mm Solid Copper)
3	**Screen / Bedding / Armour Layer**	Extruded Type 03 Polyethylene (PE) inner bedding sheath + Bonded Aluminium/Polyethylene (Al/PE) moisture barrier tape
4	**Outer Protective Sheath**	Black heavy-duty Type 03C Polyethylene (PE) outer sheath (OD 12.5 mm)

Technical data

Typical values

Nominal / reference voltage	500 V	Conductor & core insulation	1P×1.27 mm (1/1.27 mm Class 1 Solid Cu) · BR 1932 Type 03 solid PE core insulation (Ø1.27 mm Solid Copper)
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	BR 1932 / Network Rail PADS 06/166065
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded Type 03 Polyethylene (PE) inner bedding sheath + Bonded Aluminium/Polyethylene (Al/PE) moisture barrier tape
Outer sheath material & colour	Black heavy-duty Type 03C Polyethylene (PE) outer sheath (OD 12.5 mm)	Standards	BR 1932 / Network Rail PADS 06/166065

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	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
BR 1932 Twin Datalink PE/Al-PE/PE 3 sizes										
☐ BR 1932 Twin Datalink PE/Al-PE/PE (1P×1.27 mm)	1P×1.27 mm	Class 1 Solid Plain Copper	BR 1932 Type 03 solid PE core insulation	Outdoor PE	12.5	150	14.29	190.8	367	4 A
☐ BR 1932 Twin Datalink PE/Al-PE/PE (2P×1.27 mm)	2P×1.27 mm	Class 1 Solid Plain Copper	BR 1932 Type 03 solid PE core insulation	Outdoor PE	14.8	178	14.29	265.7	511	4 A
☐ BR 1932 Twin Datalink PE/Al-PE/PE (3P×1.27 mm)	3P×1.27 mm	Class 1 Solid Plain Copper	BR 1932 Type 03 solid PE core insulation	Outdoor PE	17.2	206	14.29	363.5	699	4 A

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

Standards and approvals

- ✓ BR 1932 / Network Rail PADS 06/166065 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/br-1932-twin-datalink-pe-al-pe-pe-cable**

Typical values for this cable type, based on Reference specification per BR 1932 / Network Rail PADS 06/166065 (BR 1932 Twin Datalink PE/Al-PE/PE). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.