Fire-resistant & circuit-integrity cables

Intemp 250 BS G210 +250°C High-Temperature

Wire



Generally to BS G210 · 0.6/1 kV · -55°C to +250°C · Min. bend 10 × OD

Generally to BS G210 | 0.6/1 kV

Application

Intemp 250 BS G210 +250°C High-Temperature Wire manufactured to Generally to BS G210, rated 0.6/1 kV and -55°C to +250°C with a 10 × OD minimum bending radius for oil, gas & petrochemical 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	1×4.0 mm² (56/0.30 mm) Class 5 Nickel-Plated Cu
2	Insulation & Core Identification	PFA (Perfluoroalkoxy) +250°C fluoropolymer primary insulation
3	Screen / Bedding / Armour Layer	High-temperature phlogopite mica glass fire-barrier tape
4	Outer Protective Sheath	Natural varnished glass fibre braided outer sheath (+250°C, OD 4.5 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	1×4.0 mm² (56/0.30 mm) Class 5 Nickel-Plated Cu · PFA (Perfluoroalkoxy) +250°C fluoropolymer primary insulation
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-55°C to +250°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	Generally to BS G210
Minimum bending radius	10 × OD	Screening / armour architecture	High-temperature phlogopite mica glass fire-barrier tape
Outer sheath material & colour	Natural varnished glass fibre braided outer sheath (+250°C, OD 4.5 mm)	Standards	Generally to BS G210

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
Intemp 250 BS G210 +250°C High-Temperature 3 sizes										
☐ Intemp 250 BS G210 +250°C High-Temperature (1×4 mm²)	1×4 mm²	Stranded Nickel-Plated Copper	PFA +250°C fluoropolymer primary insulation	High-Temp Jacket	4.5	45	4.53	25.0	48	34 A
☐ Intemp 250 BS G210 +250°C High-Temperature (1×6 mm²)	1×6 mm²	Stranded Nickel-Plated Copper	PFA +250°C fluoropolymer primary insulation	High-Temp Jacket	5.3	53	3.02	34.3	66	43 A
☐ Intemp 250 BS G210 +250°C High-Temperature (1×10 mm²)	1×10 mm²	Stranded Nickel-Plated Copper	PFA +250°C fluoropolymer primary insulation	High-Temp Jacket	6.2	62	1.81	47.3	91	60 A

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

Standards and approvals

- ✓ Generally to BS G210 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/intemp-250-bs-g210-250-c-high-temperature-wire**

Typical values for this cable type, based on Reference specification per Generally to BS G210 (Intemp 250 BS G210 +250°C High-Temperature). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.