Flexible cords & appliance cables

318-A Arctic Grade PVC 300/500V BS 6004

BS 6004 Table 9 / BS EN 60228 · 300/500 V · -40°C to +70°C · Min. bend 6 × OD

BS 6004 Table 9 / BS EN 60228 | 300/500 V



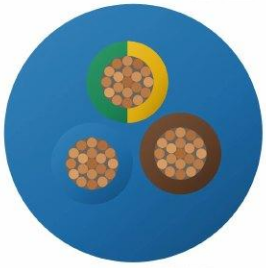
Application

318-A Arctic Grade PVC 300/500V BS 6004 manufactured to BS 6004 Table 9 / BS EN 60228, rated 300/500 V and -40°C to +70°C with a 6 × OD minimum bending radius for industrial automation & manufacturing 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	3G2.5 mm² Class 5 Flexible Cu
2	Insulation & Core Identification	BS 6004 -40°C Arctic-grade flexible PVC insulation (2.5 mm² Class 5 Cu)
3	Screen / Bedding / Armour Layer	3-core circular lay-up with -40°C cold-bend interstitial bedding (BS 6004 Table 9)
4	Outer Protective Sheath	Blue -40°C cold-bend Arctic-grade PVC outer sheath (OD 10.2 mm)

Technical data

Typical values

Nominal / reference voltage	300/500 V	Conductor & core insulation	3G2.5 mm² Class 5 Flexible Cu · BS 6004 -40°C Arctic-grade flexible PVC insulation (2.5 mm² Class 5 Cu)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-40°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	BS 6004 Table 9 / BS EN 60228
Minimum bending radius	6 × OD	Screening / armour architecture	3-core circular lay-up with -40°C cold-bend interstitial bedding (BS 6004 Table 9)
Outer sheath material & colour	Blue -40°C cold-bend Arctic-grade PVC outer sheath (OD 10.2 mm)	Standards	BS 6004 Table 9 / 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	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
318-A Arctic Grade PVC 300/500V BS 6004 3 sizes										
☐ 318-A Arctic Grade PVC 300/500V BS 6004 (3G2.5 mm²)	3G2.5 mm²	Class 5 Flexible Plain Copper	BS 6004 -40°C Arctic-grade flexible PVC insulation	Industrial PVC	10.2	61	7.24	126.9	244	25 A
☐ 318-A Arctic Grade PVC 300/500V BS 6004 (3G4 mm²)	3G4 mm²	Class 5 Flexible Plain Copper	BS 6004 -40°C Arctic-grade flexible PVC insulation	Industrial PVC	12.0	72	4.53	176.8	340	34 A
☐ 318-A Arctic Grade PVC 300/500V BS 6004 (3G6 mm²)	3G6 mm²	Class 5 Flexible Plain Copper	BS 6004 -40°C Arctic-grade flexible PVC insulation	Industrial PVC	14.1	85	3.02	242.3	466	43 A

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

Standards and approvals

- ✓ BS 6004 Table 9 / 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/318-a-arctic-grade-pvc-300-500v-bs-6004**

Typical values for this cable type, based on Reference specification per BS 6004 Table 9 / BS EN 60228 (318-A Arctic Grade PVC 300/500V BS 6004). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.