Flexible cords & appliance cables

Socapex 19G1.5 / 19G2.5 300/500V Stage

Lighting Multicore Cable



BS EN 50525-2-11 / Socapex 19-Pin · 300/500 V · -15°C to +70°C · Min. bend 6 × OD

BS EN 50525-2-11 / Socapex 19-Pin | 300/500 V

Application

Socapex 19G1.5 / 19G2.5 300/500V Stage Lighting Multicore Cable manufactured to BS EN 50525-2-11 / Socapex 19-Pin, rated 300/500 V and -15°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**	19G2.5 mm² (18 Black Numbered Cores + 1 Green/Yellow Earth) Class 5 Flexible Cu
2	**Insulation & Core Identification**	Flexible stage-lighting black white-numbered PVC insulation (2.5 mm² Class 5 Cu)
3	**Screen / Bedding / Armour Layer**	Non-woven textile separator wrap
4	**Outer Protective Sheath**	Matte Black abrasion-resistant stage-lighting PVC outer sheath (OD 21.5 mm)

Technical data

Typical values

Nominal / reference voltage	300/500 V	Conductor & core insulation	19G2.5 mm² (18 Black Numbered Cores + 1 Green/Yellow Earth) Class 5 Flexible Cu · Flexible stage-lighting black white-numbered PVC insulation (2.5 mm² Class 5 Cu)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-15°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	BS EN 50525-2-11 / Socapex 19-Pin
Minimum bending radius	6 × OD	Screening / armour architecture	Non-woven textile separator wrap
Outer sheath material & colour	Matte Black abrasion-resistant stage-lighting PVC outer sheath (OD 21.5 mm)	Standards	BS EN 50525-2-11 / Socapex 19-Pin

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
Socapex 19G1.5 / 19G2.5 300/500V Stage 3 sizes										
☐ Socapex 19G1.5 / 19G2.5 300/500V Stage (19G2.5 mm²)	19G2.5 mm²	Class 5 Flexible Plain Copper	Flexible stage-lighting black white-numbered PVC insulation	Industrial PVC	21.5	129	7.24	564.7	1,086	25 A
☐ Socapex 19G1.5 / 19G2.5 300/500V Stage (19G4 mm²)	19G4 mm²	Class 5 Flexible Plain Copper	Flexible stage-lighting black white-numbered PVC insulation	Industrial PVC	25.4	152	4.53	786.8	1,513	34 A
☐ Socapex 19G1.5 / 19G2.5 300/500V Stage (19G6 mm²)	19G6 mm²	Class 5 Flexible Plain Copper	Flexible stage-lighting black white-numbered PVC insulation	Industrial PVC	29.7	178	3.02	1,075.9	2,069	43 A

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

Standards and approvals

- ✓ BS EN 50525-2-11 / Socapex 19-Pin 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/socapex-19g1-5-19g2-5-300-500v-stage-lighting-multicore-cable**

Typical values for this cable type, based on Reference specification per BS EN 50525-2-11 / Socapex 19-Pin (Socapex 19G1.5 / 19G2.5 300/500V Stage). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.