Flexible cords & appliance cables

F14 400Hz Airport Single-Core Grounding Cable

0.6/1kV



VDE 0295 / IEC 60228 · 0.6/1 kV (400 Hz Grounding) · -40°C to +90°C · Min. bend 8 × OD

VDE 0295 / IEC 60228 | 0.6/1 kV

Application

F14 400Hz Airport Single-Core Grounding Cable 0.6/1kV manufactured to VDE 0295 / IEC 60228, rated 0.6/1 kV (400 Hz Grounding) and -40°C to +90°C with a 8 × 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	1×16 mm² Class 5 Stranded Bare Copper
2	Insulation & Core Identification	XLEPR (Cross-linked Ethylene Propylene Rubber) primary insulation (16 mm²)
3	Screen / Bedding / Armour Layer	Concentric heavy-duty bonding interface between XLEPR primary insulation and PUR outer sheath
4	Outer Protective Sheath	Green/Yellow abrasion-resistant Polyurethane (PUR) grounding outer sheath (OD 10.7 mm, F14)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV (400 Hz Grounding)	**Conductor & core insulation**	1×16 mm² Class 5 Stranded Bare Copper · XLEPR (Cross-linked Ethylene Propylene Rubber) primary insulation (16 mm²)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	**Operating temperature range**	-40°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	**Flame & fire performance**	VDE 0295 / IEC 60228
Minimum bending radius	8 × OD	**Screening / armour architecture**	Concentric heavy-duty bonding interface between XLEPR primary insulation and PUR outer sheath
Outer sheath material & colour	Green/Yellow abrasion-resistant Polyurethane (PUR) grounding outer sheath (OD 10.7 mm, F14)	**Standards**	VDE 0295 / IEC 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
F14 400Hz Airport Single-Core Grounding Cable 3 sizes										
☐ F14 400Hz Airport Single-Core Grounding Cable (1×16 mm²)	1×16 mm²	Class 5 Flexible Plain Copper	XLEPR primary insulation	PUR Jacket	10.7	86	1.13	139.9	269	80 A
☐ F14 400Hz Airport Single-Core Grounding Cable (1×25 mm²)	1×25 mm²	Class 5 Flexible Plain Copper	XLEPR primary insulation	PUR Jacket	12.6	101	0.72	195.0	375	106 A
☐ F14 400Hz Airport Single-Core Grounding Cable (1×35 mm²)	1×35 mm²	Class 5 Flexible Plain Copper	XLEPR primary insulation	PUR Jacket	14.8	118	0.52	266.2	512	131 A

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

Standards and approvals

- ✓ VDE 0295 / IEC 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/f14-400hz-airport-single-core-grounding-cable-0-6-1kv

Typical values for this cable type, based on Reference specification per VDE 0295 / IEC 60228 (F14 400Hz Airport Single-Core Grounding Cable). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.