Flexible cords & appliance cables

F15 400Hz Airport Single-Core + 4 Control

Wires 0.6/1kV



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

VDE 0295 / IEC 60228 | 0.6/1 kV

Application

F15 400Hz Airport Single-Core + 4 Control Wires 0.6/1kV manufactured to VDE 0295 / IEC 60228, rated 0.6/1 kV (400 Hz Single-Core + Control) 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**	Central 1×50 mm² Class 5 Bare Cu Main Core (TPE Insulation) + 4×1.0 mm² Control Cores
2	**Insulation & Core Identification**	Yellow Polyurethane (PUR) Outer Sheath (OD 17.0 mm)
3	**Screen / Bedding / Armour Layer**	Binder wrap
4	**Outer Protective Sheath**	Yellow abrasion-resistant Polyurethane (PUR) 400Hz outer sheath (OD 17.0 mm, F15)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV (400 Hz Single-Core + Control)	**Conductor & core insulation**	Central 1×50 mm² Class 5 Bare Cu Main Core (TPE Insulation) + 4×1.0 mm² Control Cores · Yellow Polyurethane (PUR) Outer Sheath (OD 17.0 mm)
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**	Binder wrap
Outer sheath material & colour	Yellow abrasion-resistant Polyurethane (PUR) 400Hz outer sheath (OD 17.0 mm, F15)	**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
F15 400Hz Airport Single-Core + 4 Control 3 sizes										
☐ F15 400Hz Airport Single-Core + 4 Control (1×50 mm²)	1×50 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Outer Sheath	PUR Jacket	17.0	136	0.36	353.1	679	159 A
☐ F15 400Hz Airport Single-Core + 4 Control (1×70 mm²)	1×70 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Outer Sheath	PUR Jacket	20.1	161	0.26	491.9	946	202 A
☐ F15 400Hz Airport Single-Core + 4 Control (1×95 mm²)	1×95 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Outer Sheath	PUR Jacket	23.5	188	0.19	672.4	1,293	244 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/f15-400hz-airport-single-core-4-control-wires-0-6-1kv

Typical values for this cable type, based on Reference specification per VDE 0295 / IEC 60228 (F15 400Hz Airport Single-Core + 4 Control). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.