Flexible cords & appliance cables

F17 400Hz Airport 3-Core + 8 Control Wires

0.6/1kV



VDE 0295 Class 6 · 0.6/1 kV · -40°C to +90°C · Min. bend 8 × OD

VDE 0295 Class 6 | 0.6/1 kV

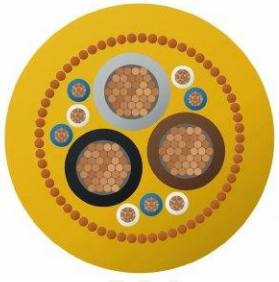
Application

F17 400Hz Airport 3-Core + 8 Control Wires 0.6/1kV manufactured to VDE 0295 Class 6, rated 0.6/1 kV (400 Hz Aircraft Ground Power) 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	3×35 mm² Class 6 Cu (XLEPR) + 20 mm² Concentric Cu Neutral + 8×1.0 mm² XLPE Control Cores
2	Insulation & Core Identification	Yellow Abrasion-Indicator PUR Sheath (OD 44.1 mm)
3	Screen / Bedding / Armour Layer	20 mm² Concentric Copper Wire Neutral / Metallic Screen
4	Outer Protective Sheath	Yellow abrasion-indicator Polyurethane (PUR) 400Hz airport outer sheath (OD 44.1 mm, F17)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV (400 Hz Aircraft Ground Power)	Conductor & core insulation	3×35 mm² Class 6 Cu (XLEPR) + 20 mm² Concentric Cu Neutral + 8×1.0 mm² XLPE Control Cores · Yellow Abrasion-Indicator PUR Sheath (OD 44.1 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 Class 6
Minimum bending radius	8 × OD	Screening / armour architecture	20 mm² Concentric Copper Wire Neutral / Metallic Screen
Outer sheath material & colour	Yellow abrasion-indicator Polyurethane (PUR) 400Hz airport outer sheath (OD 44.1 mm, F17)	Standards	VDE 0295 Class 6

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
F17 400Hz Airport 3-Core + 8 Control Wires 3 sizes										
☐ F17 400Hz Airport 3-Core + 8 Control Wires (3×35 mm²)	3×35 mm²	Class 6 Extra-Flexible Bare Copper	Yellow Abrasion-Indicator PUR Sheath	PUR Jacket	44.1	353	0.52	2,376.4	4,570	131 A
☐ F17 400Hz Airport 3-Core + 8 Control Wires (3×50 mm²)	3×50 mm²	Class 6 Extra-Flexible Bare Copper	Yellow Abrasion-Indicator PUR Sheath	PUR Jacket	52.0	416	0.36	3,309.3	6,364	159 A
☐ F17 400Hz Airport 3-Core + 8 Control Wires (3×70 mm²)	3×70 mm²	Class 6 Extra-Flexible Bare Copper	Yellow Abrasion-Indicator PUR Sheath	PUR Jacket	60.9	487	0.26	4,526.1	8,704	202 A

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

Standards and approvals

- ✓ VDE 0295 Class 6 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/f17-400hz-airport-3-core-8-control-wires-0-6-1kv**

Typical values for this cable type, based on Reference specification per VDE 0295 Class 6 (F17 400Hz Airport 3-Core + 8 Control Wires). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.