Flexible cords & appliance cables

F19 400Hz Airport 4-Core + 4 Control Wires

0.6/1kV



IEC 60228 Class 5/6 · 0.6/1 kV · -40°C to +90°C · Min. bend 8 × OD

IEC 60228 Class 5/6 | 0.6/1 kV

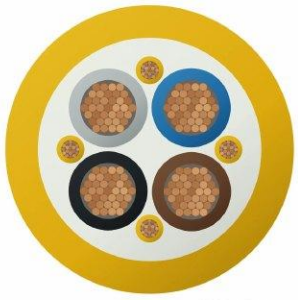
Application

F19 400Hz Airport 4-Core + 4 Control Wires 0.6/1kV manufactured to IEC 60228 Class 5/6, 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	4×50 mm² Class 5/6 Bare Cu (XLEPR Insulation) + 4×1.0 mm² Polyolefin Control Cores in Valleys
2	Insulation & Core Identification	Yellow Polyurethane (PUR) Sheath (OD 44.0 mm)
3	Screen / Bedding / Armour Layer	Non-woven binder tape
4	Outer Protective Sheath	Yellow heavy-duty Polyurethane (PUR) 400Hz airport outer sheath (OD 44.0 mm, F19)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV (400 Hz Aircraft Ground Power)	**Conductor & core insulation**	4×50 mm² Class 5/6 Bare Cu (XLEPR Insulation) + 4×1.0 mm² Polyolefin Control Cores in Valleys · Yellow Polyurethane (PUR) Sheath (OD 44.0 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**	IEC 60228 Class 5/6
Minimum bending radius	8 × OD	**Screening / armour architecture**	Non-woven binder tape
Outer sheath material & colour	Yellow heavy-duty Polyurethane (PUR) 400Hz airport outer sheath (OD 44.0 mm, F19)	**Standards**	IEC 60228 Class 5/6

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
F19 400Hz Airport 4-Core + 4 Control Wires 3 sizes										
☐ F19 400Hz Airport 4-Core + 4 Control Wires (4×50 mm²)	4×50 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Sheath	PUR Jacket	44.0	352	0.36	2,366.0	4,550	159 A
☐ F19 400Hz Airport 4-Core + 4 Control Wires (4×70 mm²)	4×70 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Sheath	PUR Jacket	51.9	415	0.26	3,294.2	6,335	202 A
☐ F19 400Hz Airport 4-Core + 4 Control Wires (4×95 mm²)	4×95 mm²	Class 5 Flexible Plain Copper	Yellow Polyurethane Sheath	PUR Jacket	60.7	486	0.19	4,505.3	8,664	244 A

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

Standards and approvals

- ✓ IEC 60228 Class 5/6 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/f19-400hz-airport-4-core-4-control-wires-0-6-1kv

Typical values for this cable type, based on Reference specification per IEC 60228 Class 5/6 (F19 400Hz Airport 4-Core + 4 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.