Flexible cords & appliance cables

FLU6Y ISO 6722 Class F +200°C

ISO 6722 Class F · 60 V DC / 600 V Peak · -50°C to +200°C · Min. bend 6 × OD

ISO 6722 Class F | 60–600 V



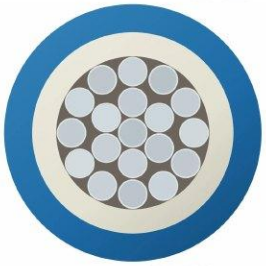
Application

FLU6Y ISO 6722 Class F +200°C manufactured to ISO 6722 Class F, rated 60 V DC / 600 V Peak and -50°C to +200°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	1×1.5 mm² (19/0.32 mm) Tinned/Nickel-Plated Cu
2	Insulation & Core Identification	ISO 6722 Class F +200°C ultra-thin-wall FEP fluoropolymer dielectric
3	Screen / Bedding / Armour Layer	Concentric 0.24 mm ultra-thin-wall fluoropolymer thermal barrier (+200°C ISO 6722 Class F)
4	Outer Protective Sheath	Blue high-temperature FEP fluoropolymer outer skin (OD 2.00 mm)

Technical data

Typical values

Nominal / reference voltage	60 V DC / 600 V Peak	Conductor & core insulation	1×1.5 mm² (19/0.32 mm) Tinned/Nickel-Plated Cu · ISO 6722 Class F +200°C ultra-thin-wall FEP fluoropolymer dielectric
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-50°C to +200°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	ISO 6722 Class F
Minimum bending radius	6 × OD	Screening / armour architecture	Concentric 0.24 mm ultra-thin-wall fluoropolymer thermal barrier (+200°C ISO 6722 Class F)
Outer sheath material & colour	Blue high-temperature FEP fluoropolymer outer skin (OD 2.00 mm)	Standards	ISO 6722 Class F

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
FLU6Y ISO 6722 Class F +200°C 3 sizes										
☐ FLU6Y ISO 6722 Class F +200°C (1×1.5 mm²)	1×1.5 mm²	Stranded Nickel-Plated Copper	ISO 6722 Class F +200°C ultra-thin-wall FEP fluoropolymer	High-Temp Jacket	2.0	12	12.07	11.4	22	18 A
☐ FLU6Y ISO 6722 Class F +200°C (1×2.5 mm²)	1×2.5 mm²	Stranded Nickel-Plated Copper	ISO 6722 Class F +200°C ultra-thin-wall FEP fluoropolymer	High-Temp Jacket	2.4	14	7.24	15.6	30	25 A
☐ FLU6Y ISO 6722 Class F +200°C (1×4 mm²)	1×4 mm²	Stranded Nickel-Plated Copper	ISO 6722 Class F +200°C ultra-thin-wall FEP fluoropolymer	High-Temp Jacket	2.8	17	4.53	21.8	42	34 A

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

Standards and approvals

- ISO 6722 Class F 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/flu6y-iso-6722-class-f-200-c**

Typical values for this cable type, based on Reference specification per ISO 6722 Class F (FLU6Y ISO 6722 Class F +200°C). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.