Power & distribution cables

FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620



SS 424 14 16 / HD 620 · 6/10 (12) kV – 12/20 (24) kV · -25°C to +90°C · Min. bend 15 × OD

SS 424 14 16 / HD 620 | 6/10–12/20 kV

Application

FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620 manufactured to SS 424 14 16 / HD 620, rated 6/10 (12) kV – 12/20 (24) kV and -25°C to +90°C with a 15 × OD minimum bending radius for renewable energy 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	3×95/25 mm² Watertight Compacted Cu
2	Insulation & Core Identification	SS 424 14 16 triple-extruded XLPE insulation (95 mm² Watertight Copper)
3	Screen / Bedding / Armour Layer	Semi-conductive water-swellable bedding tape + Collective annealed copper wire screen (25 mm²) + counter-helix tape + Aluminium/PE laminate moisture barrier
4	Outer Protective Sheath	Black Polyethylene (PE) outer sheath (OD 54.0 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 (12) kV – 12/20 (24) kV	Conductor & core insulation	3×95/25 mm² Watertight Compacted Cu · SS 424 14 16 triple-extruded XLPE insulation (95 mm² Watertight Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-25°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	SS 424 14 16 / HD 620
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive water-swellable bedding tape + Collective annealed copper wire screen (25 mm²) + counter-helix tape + Aluminium/PE laminate moisture barrier
Outer sheath material & colour	Black Polyethylene (PE) outer sheath (OD 54.0 mm)	Standards	SS 424 14 16 / HD 620

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
FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620 3 sizes										
☐ FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620 (3×95/25 mm²)	3×95/25 mm²	Class 2 Stranded Plain Copper	SS 424 14 16 triple-extruded XLPE insulation	Outdoor PE	54.0	810	0.19	3,563.6	6,853	244 A
☐ FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620 (3×120/25 mm²)	3×120/25 mm²	Class 2 Stranded Plain Copper	SS 424 14 16 triple-extruded XLPE insulation	Outdoor PE	63.7	956	0.15	4,961.8	9,542	282 A
☐ FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620 (3×150/25 mm²)	3×150/25 mm²	Class 2 Stranded Plain Copper	SS 424 14 16 triple-extruded XLPE insulation	Outdoor PE	74.5	1,118	0.12	6,786.0	13,050	324 A

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

Standards and approvals

- ✓ SS 424 14 16 / HD 620 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/fxlj-f-fxqj-12-20-24-kv-ss-424-14-16-hd-620**

Typical values for this cable type, based on Reference specification per SS 424 14 16 / HD 620 (FXLJ-F / FXQJ 12/20(24)kV SS 424 14 16 / HD 620). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.