Power & distribution cables

XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric

Copper EMC LSZH Cable

SFS 5545 / HD 604-5D / CPR Cca · 0.6/1 kV · -25°C to +90°C · Min. bend 12 × OD



SFS 5545 / HD 604-5D / CPR Cca | 0.6/1 kV

Application

XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric Copper EMC LSZH Cable manufactured to SFS 5545 / HD 604-5D / CPR Cca, rated 0.6/1 kV and -25°C to +90°C with a 12 × 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**	3×35/16 mm² Class 2 Stranded Cu
2	**Insulation & Core Identification**	SFS 5545 XLPE core insulation (35 mm² Class 2 Stranded Copper)
3	**Screen / Bedding / Armour Layer**	Extruded HFFR halogen-free inner filling compound + Concentric annealed copper wires + copper binding tape (16 mm² PE)
4	**Outer Protective Sheath**	Black UV-resistant halogen-free HFFR outer sheath (OD 25.0 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	**Conductor & core insulation**	3×35/16 mm² Class 2 Stranded Cu · SFS 5545 XLPE core insulation (35 mm² Class 2 Stranded 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**	SFS 5545 / HD 604-5D / CPR Cca
Minimum bending radius	12 × OD	**Screening / armour architecture**	Extruded HFFR halogen-free inner filling compound + Concentric annealed copper wires + copper binding tape (16 mm² PE)
Outer sheath material & colour	Black UV-resistant halogen-free HFFR outer sheath (OD 25.0 mm)	**Standards**	SFS 5545 / HD 604-5D / CPR Cca

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
XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric 3 sizes										
☐ XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric (3×35/16 mm²)	3×35/16 mm²	Class 2 Stranded Plain Copper	SFS 5545 XLPE core insulation	LSZH Jacket	25.0	300	0.52	763.9	1,469	131 A
☐ XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric (3×50/16 mm²)	3×50/16 mm²	Class 2 Stranded Plain Copper	SFS 5545 XLPE core insulation	LSZH Jacket	29.5	354	0.36	1,063.4	2,045	159 A
☐ XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric (3×70/16 mm²)	3×70/16 mm²	Class 2 Stranded Plain Copper	SFS 5545 XLPE core insulation	LSZH Jacket	34.5	414	0.26	1,454.4	2,797	202 A

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

Standards and approvals

- ✓ SFS 5545 / HD 604-5D / CPR Cca 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/xcmk-hf-0-6-1kv-sfs-5545-finnish-concentric-copper-emc-lszh-cable

Typical values for this cable type, based on Reference specification per SFS 5545 / HD 604-5D / CPR Cca (XCMK-HF 0.6/1kV SFS 5545 Finnish Concentric). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.