Power & distribution cables

MCMK 0.6/1kV SFS 4880 Finnish Concentric

Copper LV Cable

SFS 4880 · 0.6/1 kV · -40°C to +70°C · Min. bend 12 × OD

SFS 4880 | 0.6/1 kV



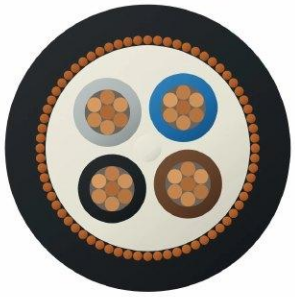
Application

MCMK 0.6/1kV SFS 4880 Finnish Concentric Copper LV Cable manufactured to SFS 4880, rated 0.6/1 kV and -40°C to +70°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**	4×10 mm² + 6 mm² Concentric Cu
2	**Insulation & Core Identification**	SFS 4880 PVC core insulation (10 mm² Annealed Copper)
3	**Screen / Bedding / Armour Layer**	Extruded PVC inner filling compound + Concentric annealed copper wires + counter-helix copper tape (6 mm² PE)
4	**Outer Protective Sheath**	Black UV-resistant PVC outer sheath (OD 18.5 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	4×10 mm² + 6 mm² Concentric Cu · SFS 4880 PVC core insulation (10 mm² Annealed Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-40°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	SFS 4880
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded PVC inner filling compound + Concentric annealed copper wires + counter-helix copper tape (6 mm² PE)
Outer sheath material & colour	Black UV-resistant PVC outer sheath (OD 18.5 mm)	Standards	SFS 4880

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
MCMK 0.6/1kV SFS 4880 Finnish Concentric 3 sizes										
☐ MCMK 0.6/1kV SFS 4880 Finnish Concentric (4×10 mm²)	4×10 mm²	Class 1 Solid Plain Copper	SFS 4880 PVC core insulation	Industrial PVC	18.5	222	1.81	418.1	804	60 A
☐ MCMK 0.6/1kV SFS 4880 Finnish Concentric (4×16 mm²)	4×16 mm²	Class 1 Solid Plain Copper	SFS 4880 PVC core insulation	Industrial PVC	21.8	262	1.13	582.4	1,120	80 A
☐ MCMK 0.6/1kV SFS 4880 Finnish Concentric (4×25 mm²)	4×25 mm²	Class 1 Solid Plain Copper	SFS 4880 PVC core insulation	Industrial PVC	25.5	306	0.72	796.6	1,532	106 A

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

Standards and approvals

- ✓ SFS 4880 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/mcmk-0-6-1kv-sfs-4880-finnish-concentric-copper-lv-cable

Typical values for this cable type, based on Reference specification per SFS 4880 (MCMK 0.6/1kV SFS 4880 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.