

Power & distribution cables

AMCMK SFS 4880 / HD 603 0.6/1kV

SFS 4880 / HD 603-3F S1 / IEC 60502-1 · 0.6/1 kV · -15°C to +70°C · Min. bend 12 × OD

SFS 4880 / HD 603-3F S1 / IEC 60502-1 | 0.6/1 kV

Application

AMCMK SFS 4880 / HD 603 0.6/1kV manufactured to SFS 4880 / HD 603-3F S1 / IEC 60502-1, rated 0.6/1 kV and -15°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	3×35Al / 16Cu mm² (3×35 mm² Class 2 Aluminium Phases: Brown, Black, Grey PVC + 16 mm² Concentric Copper Wire & Copper Tape PE Screen)
2	Insulation & Core Identification	SFS 4880 PVC phase insulation (35 mm² Class 2 Stranded Aluminium, HD 308 Brown/Black/Grey)
3	Screen / Bedding / Armour Layer	Extruded polymeric inner bedding + 16 mm² Concentric Bare Copper Wire Screen + Helical Copper Tape
4	Outer Protective Sheath	Black SFS 4880 / IEC 60332-3 Cat B PVC outer sheath (AMCMK)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	3×35Al / 16Cu mm² (3×35 mm² Class 2 Aluminium Phases: Brown, Black, Grey PVC + 16 mm² Concentric Copper Wire & Copper Tape PE Screen) · SFS 4880 PVC phase insulation (35 mm² Class 2 Stranded Aluminium, HD 308 Brown/Black/Grey)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-15°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	SFS 4880 / HD 603-3F S1 / IEC 60502-1
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded polymeric inner bedding + 16 mm² Concentric Bare Copper Wire Screen + Helical Copper Tape
Outer sheath material & colour	Black SFS 4880 / IEC 60332-3 Cat B PVC outer sheath (AMCMK)	Standards	SFS 4880 / HD 603-3F S1 / IEC 60502-1

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	Conductor weight kg/km	Cable weight kg/km	Key electrical / optical rating
AMCMK SFS 4880 / HD 603 0.6/1kV 3 sizes										
☐ AMCMK SFS 4880 / HD 603 0.6/1kV (3×35/16 mm²)	3×35/16 mm²	Class 2 Stranded Aluminium / Copper	SFS 4880 PVC phase insulation	Industrial PVC	16.5	198	0.52	332.8	640	101 A
☐ AMCMK SFS 4880 / HD 603 0.6/1kV (3×50/16 mm²)	3×50/16 mm²	Class 2 Stranded Aluminium / Copper	SFS 4880 PVC phase insulation	Industrial PVC	19.5	234	0.36	463.3	891	122 A
☐ AMCMK SFS 4880 / HD 603 0.6/1kV (3×70/21 mm²)	3×70/21 mm²	Class 2 Stranded Aluminium / Copper	SFS 4880 PVC phase insulation	Industrial PVC	22.8	274	0.26	633.4	1,218	155 A

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

Standards and approvals

- ✓ SFS 4880 / HD 603-3F S1 / IEC 60502-1 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/amcmk-sfs-4880-hd-603-0-6-1kv**

Typical values for this cable type, based on Reference specification per SFS 4880 / HD 603-3F S1 / IEC 60502-1 (AMCMK SFS 4880 / HD 603 0.6/1kV). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.