Power & distribution cables

AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603



SFS 4879 / HD 603-5M · 0.6/1 kV · -40°C to +90°C · Min. bend 12 × OD

SFS 4879 / HD 603-5M | 0.6/1 kV

Application

AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603 manufactured to SFS 4879 / HD 603-5M, rated 0.6/1 kV and -40°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**	4×50 mm² Class 2 Compacted Stranded Al
2	**Insulation & Core Identification**	SFS 4879 XLPE core insulation (50 mm² Class 2 Compacted Aluminium)
3	**Screen / Bedding / Armour Layer**	Extruded halogen-free bedding filler
4	**Outer Protective Sheath**	Black UV-resistant halogen-free polyolefin / PVC outer sheath (OD 27.5 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	4×50 mm² Class 2 Compacted Stranded Al · SFS 4879 XLPE core insulation (50 mm² Class 2 Compacted Aluminium)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-40°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	SFS 4879 / HD 603-5M
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded halogen-free bedding filler
Outer sheath material & colour	Black UV-resistant halogen-free polyolefin / PVC outer sheath (OD 27.5 mm)	Standards	SFS 4879 / HD 603-5M

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
AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603 3 sizes										
☐ AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603 (4×50 mm²)	4×50 mm²	Class 2 Compacted Stranded Aluminium	SFS 4879 XLPE core insulation	LSZH Jacket	27.5	330	0.56	474.2	1,248	122 A
☐ AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603 (4×70 mm²)	4×70 mm²	Class 2 Compacted Stranded Aluminium	SFS 4879 XLPE core insulation	LSZH Jacket	32.4	389	0.40	660.1	1,737	155 A
☐ AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603 (4×95 mm²)	4×95 mm²	Class 2 Compacted Stranded Aluminium	SFS 4879 XLPE core insulation	LSZH Jacket	37.9	455	0.30	902.9	2,376	188 A

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

Standards and approvals

- ✓ SFS 4879 / HD 603-5M 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/axmk-a-xmk-plus-0-6-1kv-sfs-4879-hd-603**

Typical values for this cable type, based on Reference specification per SFS 4879 / HD 603-5M (AXMK / A/XMK Plus 0.6/1kV SFS 4879 / HD 603). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.