Power & distribution cables

MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546

Installation Cable



SFS 5546 · 300/500 V / 450/750 V · -15°C to +70°C · Min. bend 12 × OD

SFS 5546 | 300/500–450/750V

Application

MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546 Installation Cable manufactured to SFS 5546, rated 300/500 V / 450/750 V 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	5G2.5 mm² Class 1 Solid Cu
2	Insulation & Core Identification	SFS 5546 halogen-free polyolefin core insulation (2.5 mm² Solid Copper)
3	Screen / Bedding / Armour Layer	Extruded halogen-free inner filling compound
4	Outer Protective Sheath	White UV-resistant halogen-free polyolefin outer sheath (OD 11.5 mm)

Technical data

Typical values

Nominal / reference voltage	300/500 V / 450/750 V	Conductor & core insulation	5G2.5 mm² Class 1 Solid Cu · SFS 5546 halogen-free polyolefin core insulation (2.5 mm² Solid Copper)
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 5546
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded halogen-free inner filling compound
Outer sheath material & colour	White UV-resistant halogen-free polyolefin outer sheath (OD 11.5 mm)	Standards	SFS 5546

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
MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546 3 sizes										
☐ MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546 (5G2.5 mm²)	5G2.5 mm²	Class 1 Solid Plain Copper	SFS 5546 halogen-free polyolefin core insulation	LSZH Jacket	11.5	138	7.24	161.7	311	25 A
☐ MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546 (5G4 mm²)	5G4 mm²	Class 1 Solid Plain Copper	SFS 5546 halogen-free polyolefin core insulation	LSZH Jacket	13.6	163	4.53	225.2	433	34 A
☐ MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546 (5G6 mm²)	5G6 mm²	Class 1 Solid Plain Copper	SFS 5546 halogen-free polyolefin core insulation	LSZH Jacket	15.9	191	3.02	307.8	592	43 A

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

Standards and approvals

- ✓ SFS 5546 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/mmj-hf-mmo-hf-300-500v-450-750v-sfs-5546-installation-cable

Typical values for this cable type, based on Reference specification per SFS 5546 (MMJ-HF / MMO-HF 300/500V–450/750V SFS 5546). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.