Power & distribution cables

AL/HEPR/PO HXM1 0.6/1kV Wind Tower

Cable



IEC 60502-1 / EN 50363 · 0.6/1 kV · -40°C to +90°C · Min. bend 12 × OD

IEC 60502-1 / EN 50363 | 0.6/1 kV

Application

AL/HEPR/PO HXM1 0.6/1kV Wind Tower Cable manufactured to IEC 60502-1 / EN 50363, 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	3×150 mm² Class 2 Stranded Aluminium
2	Insulation & Core Identification	HEPR (Hard Ethylene Propylene Rubber) 90°C insulation (150 mm² Class 2 Al)
3	Screen / Bedding / Armour Layer	Halogen-free compound inner filling
4	Outer Protective Sheath	Black HXM1 Low Smoke Zero Halogen Polyolefin (PO) outer sheath (OD 44.0 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	3×150 mm² Class 2 Stranded Aluminium · HEPR (Hard Ethylene Propylene Rubber) 90°C insulation (150 mm² Class 2 Al)
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	IEC 60502-1 / EN 50363
Minimum bending radius	12 × OD	Screening / armour architecture	Halogen-free compound inner filling
Outer sheath material & colour	Black HXM1 Low Smoke Zero Halogen Polyolefin (PO) outer sheath (OD 44.0 mm)	Standards	IEC 60502-1 / EN 50363

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
AL/HEPR/PO HXM1 0.6/1kV Wind Tower 3 sizes										
☐ AL/HEPR/PO HXM1 0.6/1kV Wind Tower (3×150 mm²)	3×150 mm²	Class 2 Compacted Stranded Aluminium	HEPR 90°C insulation	LSZH Jacket	44.0	528	0.19	1,213.7	3,194	250 A
☐ AL/HEPR/PO HXM1 0.6/1kV Wind Tower (3×185 mm²)	3×185 mm²	Class 2 Compacted Stranded Aluminium	HEPR 90°C insulation	LSZH Jacket	51.9	623	0.15	1,690.2	4,448	286 A
☐ AL/HEPR/PO HXM1 0.6/1kV Wind Tower (3×240 mm²)	3×240 mm²	Class 2 Compacted Stranded Aluminium	HEPR 90°C insulation	LSZH Jacket	60.7	728	0.12	2,311.5	6,083	336 A

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

Standards and approvals

- ✓ IEC 60502-1 / EN 50363 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/al-hepr-po-hxm1-0-6-1kv-wind-tower-cable

Typical values for this cable type, based on Reference specification per IEC 60502-1 / EN 50363 (AL/HEPR/PO HXM1 0.6/1kV Wind Tower). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.