Power & distribution cables

YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch

B2ca/Cca LSZH Cable



NEN 3617 / KEMA K42C / CPR B2ca/Cca · 0.6/1 kV · -25°C to +90°C · Min. bend 12 × OD

NEN 3617 / KEMA K42C / CPR B2ca/Cca | 0.6/1 kV

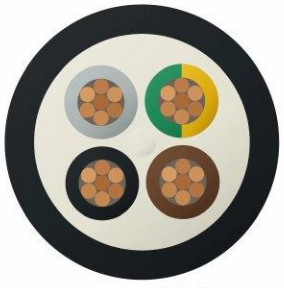
Application

YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch B2ca/Cca LSZH Cable manufactured to NEN 3617 / KEMA K42C / CPR B2ca/Cca, rated 0.6/1 kV and -25°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	4G10 mm² Class 1/2 Cu
2	Insulation & Core Identification	NEN 3617 XLPE core insulation (10 mm² Copper)
3	Screen / Bedding / Armour Layer	Extruded HFFR halogen-free inner filler
4	Outer Protective Sheath	Black mbzh flame-retardant Low Smoke Zero Halogen outer sheath (OD 16.8 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	4G10 mm² Class 1/2 Cu · NEN 3617 XLPE core insulation (10 mm² Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-25°C to +90°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	NEN 3617 / KEMA K42C / CPR B2ca/Cca
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded HFFR halogen-free inner filler
Outer sheath material & colour	Black mbzh flame-retardant Low Smoke Zero Halogen outer sheath (OD 16.8 mm)	Standards	NEN 3617 / KEMA K42C / CPR B2ca/Cca

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
YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch 3 sizes										
☐ YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch (4G10 mm²)	4G10 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	LSZH Jacket	16.8	202	1.81	344.8	663	60 A
☐ YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch (4G16 mm²)	4G16 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	LSZH Jacket	19.8	238	1.13	480.5	924	80 A
☐ YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch (4G25 mm²)	4G25 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	LSZH Jacket	23.2	278	0.72	656.8	1,263	106 A

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

Standards and approvals

- ✓ NEN 3617 / KEMA K42C / CPR B2ca/Cca 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/ymz1k-mbzh-0-6-1kv-nen-3617-kema-k42c-dutch-b2ca-cca-lszh-cable

Typical values for this cable type, based on Reference specification per NEN 3617 / KEMA K42C / CPR B2ca/Cca (YMz1K mbzh 0.6/1kV NEN 3617 / KEMA K42C Dutch). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.