Power & distribution cables

YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch

LV Cable

NEN 3617 / KEMA K42C / IEC 60332-3-22 · 0.6/1 kV · -25°C to +90°C · Min. bend 12 × OD



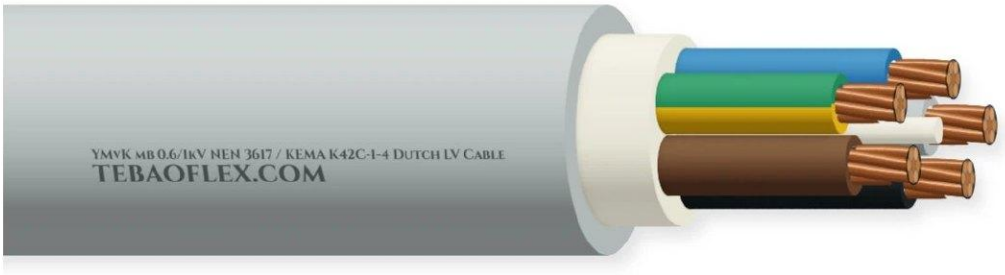
NEN 3617 / KEMA K42C / IEC 60332-3-22 | 0.6/1 kV

Application

YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch LV Cable manufactured to NEN 3617 / KEMA K42C / IEC 60332-3-22, 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**	5G6.0 mm² Class 1/2 Cu
2	**Insulation & Core Identification**	NEN 3617 XLPE core insulation (6.0 mm² Copper)
3	**Screen / Bedding / Armour Layer**	Extruded PVC inner filler compound
4	**Outer Protective Sheath**	Grey KEMA mb flame-retardant PVC outer sheath (OD 15.6 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	5G6.0 mm² Class 1/2 Cu · NEN 3617 XLPE core insulation (6.0 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 / IEC 60332-3-22
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded PVC inner filler compound
Outer sheath material & colour	Grey KEMA mb flame-retardant PVC outer sheath (OD 15.6 mm)	Standards	NEN 3617 / KEMA K42C / IEC 60332-3-22

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
YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch 3 sizes										
☐ YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch (5G6 mm²)	5G6 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	Industrial PVC	15.6	187	3.02	297.4	572	43 A
☐ YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch (5G10 mm²)	5G10 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	Industrial PVC	18.4	221	1.81	413.9	796	60 A
☐ YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch (5G16 mm²)	5G16 mm²	Class 1 Solid Plain Copper	NEN 3617 XLPE core insulation	Industrial PVC	21.5	258	1.13	566.3	1,089	80 A

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

Standards and approvals

- ✓ NEN 3617 / KEMA K42C / IEC 60332-3-22 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/ymvk-mb-0-6-1kv-nen-3617-kema-k42c-1-4-dutch-lv-cable

Typical values for this cable type, based on Reference specification per NEN 3617 / KEMA K42C / IEC 60332-3-22 (YMvK mb 0.6/1kV NEN 3617 / KEMA K42C-1-4 Dutch). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.