Power & distribution cables

YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620

Dutch Al LSZH MV Cable

NEN-HD 620 / IEC 60502-2 · 6/10–18/30 kV · -25°C to +90°C · Min. bend 15 × OD

NEN-HD 620 / IEC 60502-2 | 6/10–18/30 kV

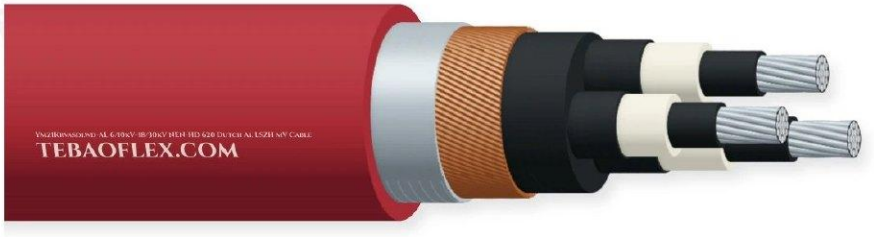


Application

YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620 Dutch Al LSZH MV Cable manufactured to NEN-HD 620 / IEC 60502-2, rated 6/10 (12) kV / 12/20 (24) kV / 18/30 (36) kV and -25°C to +90°C with a 15 × OD minimum bending radius for renewable energy 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**	3×120/35 mm² Class 2 Stranded Al
2	**Insulation & Core Identification**	NEN-HD 620 YMz1Krvasdlwd-AL XLPE dielectric (120 mm² Stranded Aluminium)
3	**Screen / Bedding / Armour Layer**	Semi-conductive longitudinal water-swellable tape + Collective copper wire & tape earth screen (35 mm² as) + Aluminium/copolymer laminate radial moisture barrier (dlwd)
4	**Outer Protective Sheath**	Red z1 Low Smoke Zero Halogen (LSZH) outer sheath (OD 62.0 mm)

Technical data

Typical values

Nominal / reference voltage	6/10 (12) kV / 12/20 (24) kV / 18/30 (36) kV	Conductor & core insulation	3×120/35 mm² Class 2 Stranded Al · NEN-HD 620 YMz1Krvasdlwd-AL XLPE dielectric (120 mm² Stranded Aluminium)
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-HD 620 / IEC 60502-2
Minimum bending radius	15 × OD	Screening / armour architecture	Semi-conductive longitudinal water-swellable tape + Collective copper wire & tape earth screen (35 mm² as) + Aluminium/copolymer laminate radial moisture barrier (dlwd)
Outer sheath material & colour	Red z1 Low Smoke Zero Halogen (LSZH) outer sheath (OD 62.0 mm)	Standards	NEN-HD 620 / IEC 60502-2

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
YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620 3 sizes										
☐ YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620 (3×120/35 mm²)	3×120/35 mm²	Class 2 Compacted Stranded Aluminium	NEN-HD 620 YMz1Krvasdlwd-AL XLPE dielectric	LSZH Jacket	62.0	930	0.23	2,410.3	6,343	218 A
☐ YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620 (3×150/35 mm²)	3×150/35 mm²	Class 2 Compacted Stranded Aluminium	NEN-HD 620 YMz1Krvasdlwd-AL XLPE dielectric	LSZH Jacket	73.2	1,098	0.19	3,355.8	8,831	250 A
☐ YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620 (3×185/35 mm²)	3×185/35 mm²	Class 2 Compacted Stranded Aluminium	NEN-HD 620 YMz1Krvasdlwd-AL XLPE dielectric	LSZH Jacket	85.6	1,284	0.15	4,590.0	12,079	286 A

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

Standards and approvals

- ✓ NEN-HD 620 / IEC 60502-2 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/ymz1krvasdlwd-al-6-10kv-18-30kv-nen-hd-620-dutch-al-lszh-mv-cable**

Typical values for this cable type, based on Reference specification per NEN-HD 620 / IEC 60502-2 (YMz1Krvasdlwd-AL 6/10kV–18/30kV NEN-HD 620). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.