Power & distribution cables

NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium

XLPE/LSZH Cable



DIN VDE 0276-604 / IEC 60502-1 · 0.6/1 kV – 1.8/3 kV · -25°C to +90°C · Min. bend 15 × OD

DIN VDE 0276-604 / IEC 60502-1 | 0.6/1–1.8/3 kV

Application

NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium XLPE/LSZH Cable manufactured to DIN VDE 0276-604 / IEC 60502-1, rated 0.6/1 kV – 1.8/3 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**	5G25 mm² RM Compacted Al
2	**Insulation & Core Identification**	VDE 0276-604 2XI1 XLPE core insulation (25 mm² Compacted Aluminium)
3	**Screen / Bedding / Armour Layer**	Extruded halogen-free inner filling compound
4	**Outer Protective Sheath**	Black HM4 Low Smoke Zero Halogen (LSZH) outer sheath (OD 25.4 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV – 1.8/3 kV	Conductor & core insulation	5G25 mm² RM Compacted Al · VDE 0276-604 2XI1 XLPE core insulation (25 mm² Compacted 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	DIN VDE 0276-604 / IEC 60502-1
Minimum bending radius	15 × OD	Screening / armour architecture	Extruded halogen-free inner filling compound
Outer sheath material & colour	Black HM4 Low Smoke Zero Halogen (LSZH) outer sheath (OD 25.4 mm)	Standards	DIN VDE 0276-604 / IEC 60502-1

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
NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium 3 sizes										
☐ NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium (5G25 mm²)	5G25 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-604 2XI1 XLPE core insulation	LSZH Jacket	25.4	381	1.13	404.7	1,065	81 A
☐ NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium (5G35 mm²)	5G35 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-604 2XI1 XLPE core insulation	LSZH Jacket	30.0	450	0.81	563.2	1,482	101 A
☐ NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium (5G50 mm²)	5G50 mm²	Class 2 Compacted Stranded Aluminium	VDE 0276-604 2XI1 XLPE core insulation	LSZH Jacket	35.1	526	0.56	770.3	2,027	122 A

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

Standards and approvals

- ✓ DIN VDE 0276-604 / IEC 60502-1 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/na2xh-0-6-1kv-1-8-3kv-iec-60502-1-aluminium-xlpe-lszh-cable

Typical values for this cable type, based on Reference specification per DIN VDE 0276-604 / IEC 60502-1 (NA2XH 0.6/1kV–1.8/3kV IEC 60502-1 Aluminium). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.