Power & distribution cables

N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356

Portuguese LV Cable

IEC 60502-1 / DMA-C33-200 · 0.6/1 kV · -25°C to +90°C · Min. bend 12 × OD



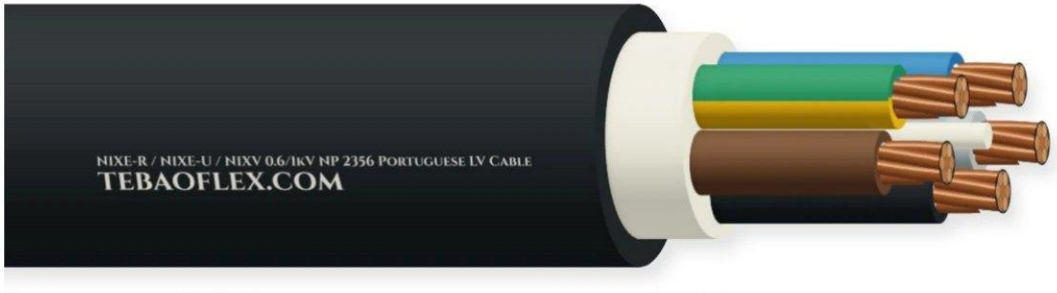
IEC 60502-1 / DMA-C33-200 | 0.6/1 kV

Application

N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356 Portuguese LV Cable manufactured to IEC 60502-1 / DMA-C33-200, 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**	5G10 mm² Class 2 Stranded Cu (RM)
2	**Insulation & Core Identification**	NP 2356 XLPE core insulation (10 mm² Class 2 Stranded Copper)
3	**Screen / Bedding / Armour Layer**	Extruded elastomeric/plastomeric inner sheath
4	**Outer Protective Sheath**	Black UV-resistant Polyethylene (PE) outer sheath with yellow stripe (OD 18.8 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	**Conductor & core insulation**	5G10 mm² Class 2 Stranded Cu (RM) · NP 2356 XLPE core insulation (10 mm² Class 2 Stranded 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**	IEC 60502-1 / DMA-C33-200
Minimum bending radius	12 × OD	**Screening / armour architecture**	Extruded elastomeric/plastomeric inner sheath
Outer sheath material & colour	Black UV-resistant Polyethylene (PE) outer sheath with yellow stripe (OD 18.8 mm)	**Standards**	IEC 60502-1 / DMA-C33-200

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
N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356 3 sizes										
☐ N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356 (5G10 mm²)	5G10 mm²	Class 2 Stranded Plain Copper	NP 2356 XLPE core insulation	Outdoor PE	18.8	226	1.81	432.1	831	60 A
☐ N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356 (5G16 mm²)	5G16 mm²	Class 2 Stranded Plain Copper	NP 2356 XLPE core insulation	Outdoor PE	22.2	266	1.13	601.6	1,157	80 A
☐ N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356 (5G25 mm²)	5G25 mm²	Class 2 Stranded Plain Copper	NP 2356 XLPE core insulation	Outdoor PE	25.9	311	0.72	822.6	1,582	106 A

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

Standards and approvals

- ✓ IEC 60502-1 / DMA-C33-200 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/n1xe-r-n1xe-u-n1xv-0-6-1kv-np-2356-portuguese-lv-cable

Typical values for this cable type, based on Reference specification per IEC 60502-1 / DMA-C33-200 (N1XE-R / N1XE-U / N1XV 0.6/1kV NP 2356). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.