Power & distribution cables

NYCWY 0.6/1kV DIN VDE 0276-603 Waveform

Concentric Copper Cable

DIN VDE 0276-603 / IEC 60502-1 · 0.6/1 kV · -15°C to +70°C · Min. bend 12 × OD



DIN VDE 0276-603 / IEC 60502-1 | 0.6/1 kV

Application

NYCWY 0.6/1kV DIN VDE 0276-603 Waveform Concentric Copper Cable manufactured to DIN VDE 0276-603 / IEC 60502-1, rated 0.6/1 kV and -15°C to +70°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**	4×16/16 mm² RM Class 2 Stranded Cu
2	**Insulation & Core Identification**	VDE 0276-603 DIV4 PVC core insulation (16 mm² Class 2 Stranded Copper)
3	**Screen / Bedding / Armour Layer**	Extruded PVC inner bedding sheath + Waveform (Ceander) concentric copper wires + counter-helix copper tape (16 mm²)
4	**Outer Protective Sheath**	Black DMV5 flame-retardant PVC outer sheath (OD 23.0 mm)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	4×16/16 mm² RM Class 2 Stranded Cu · VDE 0276-603 DIV4 PVC core insulation (16 mm² Class 2 Stranded Copper)
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	-15°C to +70°C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	DIN VDE 0276-603 / IEC 60502-1
Minimum bending radius	12 × OD	Screening / armour architecture	Extruded PVC inner bedding sheath + Waveform (Ceander) concentric copper wires + counter-helix copper tape (16 mm²)
Outer sheath material & colour	Black DMV5 flame-retardant PVC outer sheath (OD 23.0 mm)	Standards	DIN VDE 0276-603 / 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	Copper weight kg/km	Cable weight kg/km	Key electrical / optical rating
NYCWY 0.6/1kV DIN VDE 0276-603 Waveform 3 sizes										
☐ NYCWY 0.6/1kV DIN VDE 0276-603 Waveform (4×16/16 mm²)	4×16/16 mm²	Class 2 Stranded Plain Copper	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	23.0	276	1.13	646.4	1,243	80 A
☐ NYCWY 0.6/1kV DIN VDE 0276-603 Waveform (4×25/16 mm²)	4×25/16 mm²	Class 2 Stranded Plain Copper	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	27.1	325	0.72	900.1	1,731	106 A
☐ NYCWY 0.6/1kV DIN VDE 0276-603 Waveform (4×35/16 mm²)	4×35/16 mm²	Class 2 Stranded Plain Copper	VDE 0276-603 DIV4 PVC core insulation	Industrial PVC	31.7	380	0.52	1,230.8	2,367	131 A

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

Standards and approvals

- ✓ DIN VDE 0276-603 / 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/nycwy-0-6-1kv-din-vde-0276-603-waveform-concentric-copper-cable

Typical values for this cable type, based on Reference specification per DIN VDE 0276-603 / IEC 60502-1 (NYCWY 0.6/1kV DIN VDE 0276-603 Waveform). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.