Central-textile-core multipair mining telecom cable

YnTKGMLY-tex

Central-Textile Multipair Mining Cable

PN-G-91006 / IEC 60228 · 150/250 V · −30…+70 °C polypropylene-core 5×2×0.8 mm mining cable



150/250 V Telecom | Central Textile Core | 5×2×0.8 mm Class 2

Application

YnTKGMLY-tex underground mining telecommunication and local-battery signalling cable featuring a central polypropylene twine strength core, 5 × 2 × 0.8 mm Class 2 7-wire stranded tinned copper PVC pairs and a black flame-retardant modified PE jacket.

Typical uses: Underground Mine Local-Battery Telephone Systems, Conveyor Pull-Cord Trip & Emergency Stop Lines, Inclined Drift & Shaft Acoustic Signalling Networks, Tunnelling & Subterranean Temporary Voice Comms

Construction





Cross-section, not to scale

1	Central Textile Strength Member	PN-G-91006 / IEC 60332-1-2
2	Twisted Pairs (5x2x0.8 mm)	PN-G-91006 / IEC 60332-1-2
3	Pair Color Identification	PN-G-91006 / IEC 60332-1-2
4	Outer Sheath	PN-G-91006 / IEC 60332-1-2

Technical data

Typical values

Rated voltage / transmission duty	150/250 V (PN-G-91006 / IEC 60332-1-2)	**Core / conductor construction**	Central Textile Strength Member — High-tensile non-metallic polypropylene twine load-bearing central core (-tex) absorbing self-supporting suspension loads in mine roadways
Primary dielectric / insulation	Twisted Pairs (5x2x0.8 mm) — Five twisted pairs of 0.8 mm Class 2 (7-wire stranded) tinned copper conductors laid around the central textile core	**Continuous operating temperature**	−30…+70 °C (rated operating envelope)
Storage & transport temperature	−40…+80 °C on export drum or reel	**Outer protection / sheath**	Outer Sheath — Black flame-retardant modified polyethylene / PVC-PE compound outer jacket resistant to mine water and mechanical wear
Minimum bending radius	10 × OD	**Structural layer count**	4 concentric functional layers
Environmental & chemical resistance	Industrial moisture, oils and mechanical wear per PN-G-91006 / IEC 60332-1-2	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	PN-G-91006 / IEC 60332-1-2		

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Weight ≈ kg/km	Tensile load kN ≈	Min. bend R mm
YnTKGMLY-tex Construction Schedule (−30…+70 °C) 3 sizes						
☐ YnTKGMLY-tex 2×2×0.8 mm	2 × 2 × 0.8 mm (0.5 mm²)	7-wire tinned Cu + central PP core	8.4	82	1.2	84
☐ YnTKGMLY-tex 5×2×0.8 mm	5 × 2 × 0.8 mm (0.5 mm²)	7-wire tinned Cu + central PP core	11.2	145	1.8	112
☐ YnTKGMLY-tex 10×2×0.8 mm	10 × 2 × 0.8 mm (0.5 mm²)	7-wire tinned Cu + central PP core	14.8	255	2.6	148

– Custom core counts, cross-sections, sheath colours and factory-tested cut lengths available per PN-G-91006 / IEC 60332-1-2.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Capacity	Operating temp.
2 × 2 × 0.8 mm (Class 2)	37.50	150/250 V / ≤100 nF/km	−30…+70 °C
5 × 2 × 0.8 mm (Class 2)	37.50	150/250 V / ≤100 nF/km	−30…+70 °C
10 × 2 × 0.8 mm (Class 2)	37.50	150/250 V / ≤100 nF/km	−30…+70 °C

– Every production length undergoes routine conductor DC resistance, high-voltage dielectric and dimensional verification.

Standards and approvals

- PN-G-91006 Compliant
- EN 10204 3.1 Factory Test Certificate
- CE, 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/yntkgmly-tex-central-textile-core-multipair-mining-telecom-cable

Typical values for this cable type, based on PN-G-91006 / IEC 60332-1-2. Values for your order are confirmed in the quotation. Subject to change without notice.
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