Individually screened & jacketed mining pair cable

YnHTKGX

150/250 V Screened & Jacketed Mining Pair Cable

PN-G-91006 / IEC 60079-14 · 150/250 V · −30…+70 °C screened & jacketed mining cable

150/250 V Mining | **Per-Pair Braid+Jacket** | **Central 1.0 mm² PE**



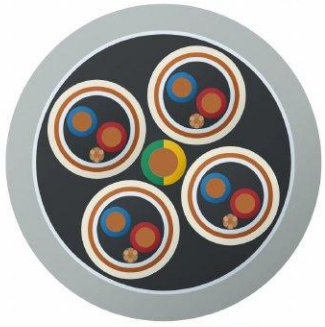
Application

YnHTKGX 150/250 V mining telecom and instrumentation pair cable combining a central 1.0 mm² green/yellow protective conductor with 0.8 mm PE twisted pairs, each with a 0.8 mm drain wire, copper braid screen and PVC sub-jacket under a grey Yn PVC sheath.

Typical uses: Underground Mine Methanometry & Environmental Telemetry, Shaft Signalling, Mine Intercom & Dispatch Networks, Intrinsically Safe (Ex-i) Underground Fieldbus & PLC Links, Tunnelling & Subterranean SCADA Backbone Cabling

Construction





Cross-section, not to scale

1	Central Protective Conductor	PN-G-91006 / IEC 60079-14
2	Telecom Pairs (4x2x0.8 mm)	PN-G-91006 / IEC 60079-14
3	Per-Pair Drain & Copper Braid	PN-G-91006 / IEC 60079-14
4	Per-Pair Individual PVC Jacket	PN-G-91006 / IEC 60079-14
5	Overall Outer Sheath	PN-G-91006 / IEC 60079-14

Technical data

Typical values

Rated voltage / transmission duty	150/250 V (PN-G-91006 / IEC 60079-14)	**Core / conductor construction**	Central Protective Conductor — Central 1.0 mm² solid tinned copper protective earth conductor insulated with green/yellow PVC at the cable axis
Primary dielectric / insulation	Telecom Pairs (4x2x0.8 mm) — Four twisted telecommunication pairs of 0.8 mm Class 1 solid bare copper conductors with low-loss red and blue polyethylene (PE) insulation	**Continuous operating temperature**	−30…+70 °C (rated operating envelope)
Storage & transport temperature	−40…+80 °C on export drum or reel	**Outer protection / sheath**	Overall Outer Sheath — Heavy-duty grey flame-retardant mining polyvinyl chloride (Yn PVC) overall outer sheath
Minimum bending radius	10 × OD	**Structural layer count**	5 concentric functional layers
Environmental & chemical resistance	Industrial moisture, oils and mechanical wear per PN-G-91006 / IEC 60079-14	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	PN-G-91006 / IEC 60079-14		

Sizes

4 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
YnHTKGX Construction Schedule (−30…+70 °C) 4 sizes						
☐ **YnHTKGX 2×2×0.8 + 1.0 mm²**	2×2×0.8 mm + 1×1.0 mm² PE	Solid Cu + per-pair braid & jacket	12.6	195	0.9	126
☐ **YnHTKGX 4×2×0.8 + 1.0 mm²**	4×2×0.8 mm + 1×1.0 mm² PE	Solid Cu + per-pair braid & jacket	15.8	325	1.6	158
☐ **YnHTKGX 7×2×0.8 + 1.0 mm²**	7×2×0.8 mm + 1×1.0 mm² PE	Solid Cu + per-pair braid & jacket	19.4	510	2.6	194
☐ **YnHTKGX 10×2×0.8 + 1.0 mm²**	10×2×0.8 mm + 1×1.0 mm² PE	Solid Cu + per-pair braid & jacket	23.6	715	3.6	236

– Custom core counts, cross-sections, sheath colours and factory-tested cut lengths available per PN-G-91006 / IEC 60079-14.

Electrical, optical & thermal parameters

4 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Capacity	Operating temp.
2×2×0.8 + 1.0 mm²	36.60	150/250 V / ≤75 nF/km	−30…+70 °C
4×2×0.8 + 1.0 mm²	36.60	150/250 V / ≤75 nF/km	−30…+70 °C
7×2×0.8 + 1.0 mm²	36.60	150/250 V / ≤75 nF/km	−30…+70 °C
10×2×0.8 + 1.0 mm²	36.60	150/250 V / ≤75 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/ynhtkgx-150-250v-individually-screened-jacketed-mining-pair-cable

Typical values for this cable type, based on PN-G-91006 / IEC 60079-14. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.