EMAG double-aramid double-PUR reeling optical cable

PSKD

EMAG Double-Aramid Double-PUR Reeling Optical Cable

ZN-TF-017 / EMAG · 4–12F 900 µm · Double-aramid double-PUR mining reeling optical cable



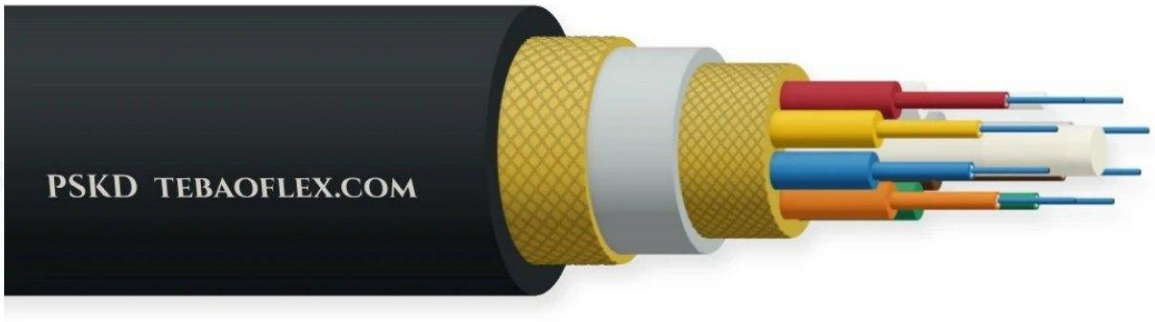
ZN-TF-017 / EMAG | 2500 N Double Aramid | Double HFFR-PUR Sheath

Application

PSKD EMAG-certified dynamic reeling and mobile machinery optical cable for underground coal mines and tunnels, featuring 0.9 mm tight-buffered fibres around an elastomeric rod, double aramid tensile layers (2500 N) and inner/outer HFFR-PUR sheaths.

Typical uses: Underground Coal & Hard-Rock Mining, Open-Cast Excavators, Draglines & Shovels, Vertical Mine Shafts, Hoists & Boreholes, Tunneling, Mineral Processing & Slurry Plants

Construction





Cross-section, not to scale

1. Central Elastomeric Buffer Rod
2. 0.9 mm Tight-Buffered Fibres (8J)
3. Inner Aramid & Inner PUR Sheath
4. Outer Aramid Tensile Layer (2500 N)
5. HFFR-PUR Outer Jacket

Technical data

Typical values

Rated voltage / transmission duty	Optical (ZN-TF-017 / EMAG / EN 60794-1-2)	**Core / conductor construction**	Central Elastomeric Buffer Rod — Flexible central element stabilizing core geometry under small-radius reeling
Primary dielectric / buffering	0.9 mm Tight-Buffered Fibres (8J) — Color-coded 900 µm tight polyamide/elastomer buffered SM/MM fibres	**Continuous operating temperature**	-40 to +80 °C (mining & industrial service)
Short-circuit / peak thermal rating	Verified thermal stability per ZN-TF-017 / EMAG / EN 60794-1-2	**Storage & transport temperature**	–40…+80 °C on export wooden/steel drum
Outer protection / armouring	HFFR-PUR Outer Jacket — Black halogen-free flame-retardant polyurethane jacket (1.4 mm wall)	**Minimum bending radius**	10 × OD
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per ZN-TF-017 / EMAG / EN 60794-1-2	**Flame retardancy & mine fire safety**	Self-extinguishing / flame-retardant mining jacket per ZN-TF-017 / EMAG / EN 60794-1-2
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per ZN-TF-017 / EMAG / EN 60794-1-2	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	ZN-TF-017 / EMAG / EN 60794-1-2		

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	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
PSKD Construction Schedule (-40 to +80 °C) 3 sizes						
☐ **PSKD 4J (4×0.9 mm) HFFR-PUR**	**4 × 0.9 mm Tight-Buffered FO**	**Double Aramid + Double PUR**	**7.8**	**58**	**2.5**	**78**
☐ **PSKD 8J (8×0.9 mm) HFFR-PUR**	**8 × 0.9 mm Tight-Buffered FO**	**Double Aramid + Double PUR**	**8.6**	**69**	**2.5**	**86**
☐ **PSKD 12J (12×0.9 mm) HFFR-PUR**	**12 × 0.9 mm Tight-Buffered FO**	**Double Aramid + Double PUR**	**9.4**	**82**	**2.8**	**94**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per ZN-TF-017 / EMAG / EN 60794-1-2.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4 × 0.9 mm Tight-Buffered FO	**0.40**	**2500 N tensile · 3000 N/100mm crush**	**-40 to +80 °C**
8 × 0.9 mm Tight-Buffered FO	**0.40**	**2500 N tensile · 3000 N/100mm crush**	**-40 to +80 °C**
12 × 0.9 mm Tight-Buffered FO	**0.40**	**2800 N tensile · 3000 N/100mm crush**	**-40 to +80 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage Spark/AC dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- ZN-TF-017 / EMAG 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/pskd-emag-double-aramid-double-pur-tight-buffered-reeling-optical-cable

Typical values for this cable type, based on ZN-TF-017 / EMAG / EN 60794-1-2. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.