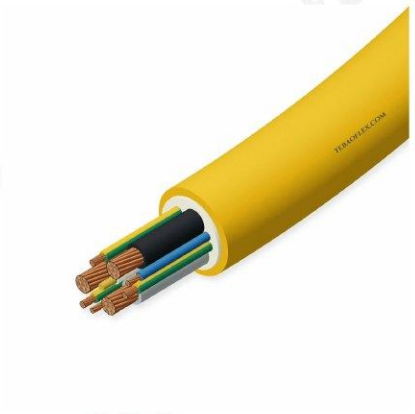
Aramid-reinforced halogen-free PUR mining reeling cable

D2X11Y

0.6/1 kV Aramid-Reinforced PUR Mining Reeling Cable

DIN VDE 0250 / IEC 60754 · 0.6/1 kV · Aramid-reinforced HFFR PUR reeling cable

DIN VDE 0250 / IEC 60754 | 0.6/1 kV XLPE / PUR | Central Aramid Core



Application

D2X11Y 0.6/1 kV halogen-free polyurethane reeling and trailing cable for underground mining LHD loaders, drill rigs and shuttle cars, featuring a central aramid tensile core, 90 °C XLPE (2X) cores, inner PUR bedding and yellow 11Y PUR jacket.

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 Aramid Core
2. Phase Conductors (3×35 mm²)
3. Split Earth & Pilot Cores
4. Inner Polyurethane Sheath
5. Outer Sheath (11Y Halogen-Free PUR)

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2)	**Core / conductor construction**	Central Aramid Core — Polymer-sheathed high-modulus aramid fibre strain-relief core (20–25 N/mm²)
Primary dielectric / buffering	Phase Conductors (3×35 mm²) — IEC 60228 Class 5 flexible plain copper with Black, Brown & Grey XLPE (2X)	**Continuous operating temperature**	-40 to +90 °C (mining & industrial service)
Short-circuit / peak thermal rating	Verified thermal stability per DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2	**Storage & transport temperature**	−40...+80 °C on export wooden/steel drum
Outer protection / armouring	Outer Sheath (11Y Halogen-Free PUR) — Dull yellow rock-cut, oil- and abrasion-resistant halogen-free PUR jacket	**Minimum bending radius**	8 × OD
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2	**Flame retardancy & mine fire safety**	Self-extinguishing / flame-retardant mining jacket per DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0250 / IEC 60754-1 / 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	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
D2X11Y Construction Schedule (-40 to +90 °C) 3 sizes						
☐ D2X11Y 3×25 + 3×6G + 2×1.5P	3×25 + 3×6 (G) + 2×1.5 (P)	Class 5 plain Cu + Aramid	28.4	1,380	18.5	230
☐ D2X11Y 3×35 + 3×6G + 2×1.5P	3×35 + 3×6 (G) + 2×1.5 (P)	Class 5 plain Cu + Aramid	31.6	1,760	24.0	255
☐ D2X11Y 3×50 + 3×10G + 2×1.5P	3×50 + 3×10 (G) + 2×1.5 (P)	Class 5 plain Cu + Aramid	36.2	2,440	32.5	290

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
3×25 + 3×6 (G) + 2×1.5 (P)	0.78	0.6/1 kV (131 A)	-40 to +90 °C
3×35 + 3×6 (G) + 2×1.5 (P)	0.55	0.6/1 kV (162 A)	-40 to +90 °C
3×50 + 3×10 (G) + 2×1.5 (P)	0.39	0.6/1 kV (202 A)	-40 to +90 °C

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

Standards and approvals

- VDE 0250 / 11Y 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/d2x11y-0-6-1kv-aramid-reinforced-halogen-free-pur-mining-reeling-cable

Typical values for this cable type, based on DIN VDE 0250 / IEC 60754-1 / IEC 60332-1-2. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.