DIN VDE 0250-812 cradle aramid-reinforced reeling cable

NSSHUCGEÖU

0.6/1 kV Shuttle Car & Loader Reeling Cable

DIN VDE 0250-812 · 0.6/1 kV · Aramid-cradle reinforced shuttle car reeling cable



DIN VDE 0250-812 | 0.6/1 kV Cradle + Aramid | 30 N/mm² Tensile

Application

NSSHUCGEÖU 0.6/1 kV heavy-duty underground mining reeling and trailing rubber cable per DIN VDE 0250-812, featuring a central aramid tensile rope inside a conductive cradle separator (U), 3GI3 EPR cores, anti-torsion braid and 5GM5 rubber sheath.

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. Conductive Cradle with Aramid Rope (U)
2. Phase Cores (3×50 mm²)
3. Extensible Pilot/Earth Cores (3×)
4. Semicon Inner Sheath & Torsion Braid
5. 5GM5 Black Outer Sheath

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0250-812 / DIN EN 60228)	**Core / conductor construction**	Conductive Cradle with Aramid Rope (U) — Central aramid strain-relief rope inside a conductive cradle separator
Primary dielectric / buffering	Phase Cores (3×50 mm²) — Class 5 tinned copper + polyester tape + Brown, Black & Grey 3GI3 EPR	**Continuous operating temperature**	-25 to +80 °C (mining & industrial service)
Short-circuit / peak thermal rating	Verified thermal stability per DIN VDE 0250-812 / DIN EN 60228	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	5GM5 Black Outer Sheath — Heavy-duty black chlorinated rubber compound 5GM5 outer jacket	**Minimum bending radius**	8 × OD
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per DIN VDE 0250-812 / DIN EN 60228	**Flame retardancy & mine fire safety**	Self-extinguishing / flame-retardant mining jacket per DIN VDE 0250-812 / DIN EN 60228
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per DIN VDE 0250-812 / DIN EN 60228	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0250-812 / DIN EN 60228		

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
NSSHUCGEÖU Construction Schedule (-25 to +80 °C) 3 sizes						
☐ **NSSHUCGEÖU 3×35/16 + 3×1.5ST**	3×35 + 3×16/3 (E) + 3×1.5ST	Class 5 tinned Cu + Aramid	44.5	3,120	18.0	355
☐ **NSSHUCGEÖU 3×50/25 + 3×1.5ST**	3×50 + 3×25/3 (E) + 3×1.5ST	Class 5 tinned Cu + Aramid	49.2	3,980	24.5	395
☐ **NSSHUCGEÖU 3×70/35 + 3×1.5ST**	3×70 + 3×35/3 (E) + 3×1.5ST	Class 5 tinned Cu + Aramid	54.8	5,060	31.5	440

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per DIN VDE 0250-812 / DIN EN 60228.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
3×35 + 3×16/3 (E) + 3×1.5ST	0.56	0.6/1 kV (158 A)	-25 to +80 °C
3×50 + 3×25/3 (E) + 3×1.5ST	0.39	0.6/1 kV (192 A)	-25 to +80 °C
3×70 + 3×35/3 (E) + 3×1.5ST	0.28	0.6/1 kV (246 A)	-25 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

- VDE 0250-812 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/nsshucgeou-0-6-1kv-cradle-aramid-reinforced-shuttle-car-reeling-cable

Typical values for this cable type, based on DIN VDE 0250-812 / DIN EN 60228. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.