Underground coal cutter trailing cable

(N)SSHCGEWÖU-V

0.6/1 kV Coal Cutter Trailing Cable

DIN VDE 0250-812 · 0.6/1 kV (Max 1.2 kV) · Pliable-armoured underground coal cutter cable



DIN VDE 0250-812 | 0.6/1 kV (Max 1.2 kV) | Pliable Armour (-V)

Application

(N)SSHCGEWÖU-V 0.6/1 kV underground coal cutter and shearer trailing cable per DIN VDE 0250-812, with 3GI3 EPR phase cores, 3 screened pilot/earth units, mixed steel/copper pliable armour (-V) and a 5GM5 yellow rubber 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. Phase Cores (3×50 mm²)
2. 3 Control Units: 3×(2×1.5St + 1.5ÜL)
3. Black GM1b Inner Bedding
4. Reinforced Pliable Armour/Screen (-V)
5. Outer Sheath (5GM5 Yellow)

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0250-812 / DIN EN 60228)	**Core / conductor construction**	Phase Cores (3×50 mm²) — Class 5 tinned copper + 3GI3 EPR insulation + semiconductive elastomer screen
Primary dielectric / buffering	3 Control Units: 3×(2×1.5St + 1.5ÜL) — Each unit has 2×3GI3 EPR control cores + 1×1.5ÜL monitor core in semicon screen	**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	Outer Sheath (5GM5 Yellow) — High-visibility yellow heavy-duty polychloroprene rubber jacket	**Minimum bending radius**	10 × 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
(N)SSHCGEWÖU-V Construction Schedule (-25 to +80 °C) 3 sizes						
☐ **(N)SSHCGEWÖU-V 3×35/16 + 3×(2×1.5St+1.5ÜL)**	3×35/16 + 3×(2×1.5St+1.5ÜL)	Class 5 tinned Cu	53.5	4,380	15.8	535
☐ **(N)SSHCGEWÖU-V 3×50/25 + 3×(2×1.5St+1.5ÜL)**	3×50/25 + 3×(2×1.5St+1.5ÜL)	Class 5 tinned Cu	57.8	5,240	22.5	580
☐ **(N)SSHCGEWÖU-V 3×70/35 + 3×(2×1.5St+1.5ÜL)**	3×70/35 + 3×(2×1.5St+1.5ÜL)	Class 5 tinned Cu	63.2	6,490	31.5	635

– 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.
3×35/16 + 3×(2×1.5St+1.5ÜL)	0.56	0.6/1 kV (158 A)	-25 to +80 °C
3×50/25 + 3×(2×1.5St+1.5ÜL)	0.39	0.6/1 kV (192 A)	-25 to +80 °C
3×70/35 + 3×(2×1.5St+1.5ÜL)	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/n-sshcgewou-v-0-6-1kv-pliable-armoured-underground-coal-cutter-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.