heavy-duty marine & offshore rubber cable

(N)SHOU-J & (N)SHOU-O 0.6/1 KV (VDE 0250-812)

(N)SHÖU-J & (N)SHÖU-O 0.6/1 kV VDE 0250-812 Shore-to-Ship & Deck Rubbe



DIN VDE 0250-812 · 0.6/1 kV · Heavy-duty marine & offshore rubber cable

DIN VDE 0250-812 | **0.6/1 kV (-40 to +90 °C)**

5GM3 / 5GM5 Heavy Polychloroprene Ja

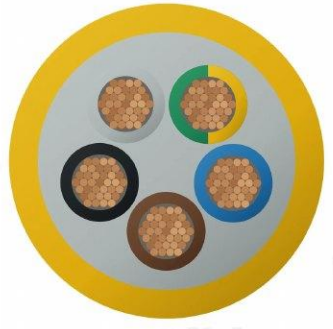
Application

(N)SHÖU-J & (N)SHÖU-O 0.6/1 kV (Reeling (MT) / DIN VDE 0250-812) Class 5 3GI3 EPR-Insulated GM1b/5GM3 Double-Sheathed Heavy-Duty Low-Voltage Shore-to-Ship & Deck Winch Rubber Cable (DIN VDE 0250-812, 0.6/1 kV, -40 to +90 °C).

Typical uses: Low-Voltage Shore-to-Ship Power Jumpers, Offshore Deck Skids & Mobile Rig Equipment, Marine Winches, Dredgers & Workboats, Shipyard Temporary Power & Heavy Maintenance

Construction





Cross-section, not to scale

1. Class 5 Flexible Copper (5G25 mm²)
2. 3GI3 90 °C EPR Core Insulation
3. GM1b Elastomeric Inner Sheath
4. 5GM3 / 5GM5 Heavy Polychloroprene Jacket

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (DIN VDE 0250-812 / IEC 60228 Class 5)	**Core / conductor construction**	Class 5 Flexible Copper (5G25 mm²) — DIN VDE 0295 Class 5 finely stranded copper conductors
Primary dielectric / buffering	3GI3 90 °C EPR Core Insulation — VDE 0207 Teil 20 3GI3 ethylene-propylene rubber insulation	**Continuous operating temperature**	−40…+90 °C (shipboard & offshore duty)
Short-circuit / peak thermal rating	Verified thermal stability per DIN VDE 0250-812 / IEC 60228 Class 5	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	5GM3 / 5GM5 Heavy Polychloroprene Jacket — High-visibility yellow oil-, seawater- and tear-resistant rubber sheath	**Minimum bending radius**	6 × OD
Armour, screen & mechanical duty	GM1b Elastomeric Inner Sheath — Pressure-tight extruded EPR inner bedding sheath (up to 500 m water depth)	**Flame, fire & smoke performance**	Qualified for marine flame-retardance and low-smoke zero-halogen / fire safety per DIN VDE 0250-812 / IEC 60228 Class 5
Oil, drilling mud & seawater resistance	Resistant to marine fuel/lube oils, salt mist and offshore fluids per DIN VDE 0250-812 / IEC 60228 Class 5	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	DIN VDE 0250-812 / IEC 60228 Class 5		

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)SHOU-J & (N)SHOU-O 0.6/1 KV (VDE 0250-812) Construction Schedule (−40…+90 °C) 3 sizes						
☐ **(N)SHOU-J 3×16+1G16 mm²**	**3 × 16 + 1G16 mm² (4G16)**	**IEC 60228 Class 2/5 Cu/SnCu**	**22.4**	**920**	**3.8**	**135**
☐ **(N)SHOU-J 3×35+1G16 mm²**	**3 × 35 + 1G16 mm² (4G35)**	**IEC 60228 Class 2/5 Cu/SnCu**	**28.8**	**1,690**	**7.4**	**175**
☐ **(N)SHOU-J 3×70+1G35 mm²**	**3 × 70 + 1G35 mm² (4G70)**	**IEC 60228 Class 2/5 Cu/SnCu**	**38.2**	**3,260**	**14.8**	**230**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per DIN VDE 0250-812 / IEC 60228 Class 5.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
3 × 16 + 1G16 mm² (4G16)	**1.15**	**0.6/1 kV (98 A)**	**−40…+90 °C**
3 × 35 + 1G16 mm² (4G35)	**0.52**	**0.6/1 kV (158 A)**	**−40…+90 °C**
3 × 70 + 1G35 mm² (4G70)	**0.27**	**0.6/1 kV (245 A)**	**−40…+90 °C**

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

Standards and approvals

- DIN 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-shou-j-n-shou-o-0-6-1-kv-vde-0250-812

Typical values for this cable type, based on DIN VDE 0250-812 / IEC 60228 Class 5. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.