heavy-duty marine & offshore rubber cable

RDOU P11 & BDOU P12 0.6/1 KV (NEK 606 FLEXIBLE)

RDOU (P11) & BDOU (P12) 0.6/1 kV NEK 606 Flexible Mud-Resistant Offsho



NEK TS 606 P11 / P12 · 0.6/1 kV · Heavy-duty marine & offshore rubber cable

NEK TS 606 P11 / P12 | 0.6/1 kV (-40 to +90 °C) | SHF2-MUD Heavy Outer Sheath (OU - P1

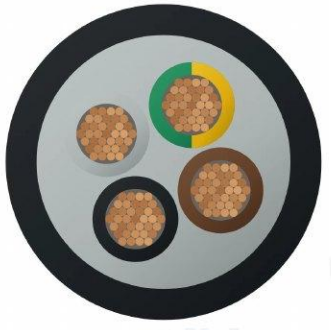
Application

RDOU (P11) & BDOU (P12) 0.6/1 kV (NEK TS 606) Class 5 Flexible Tinned-Copper EPR/Mica-Insulated Heavy-Duty SHF2 Mud-Resistant Offshore Deck & Mobile Equipment Cable (NEK TS 606 P11 / P12, 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 Tinned Copper (4G16 mm²
2. 90 °C EPR / Mica+EPR Insulation (R / B)
3. Heavy-Duty Elastomeric Inner Sheath (D)
4. SHF2-MUD Heavy Outer Sheath (OU - P11/P1

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353)	**Core / conductor construction**	Class 5 Flexible Tinned Copper (4G16 mm²) — IEC 60228 Class 5 extra-flexible tinned copper for mobile deck gear
Primary dielectric / buffering	90 °C EPR / Mica+EPR Insulation (R / B) — Flexible EPR insulation (plus mica fire tape on BDOU Code P12)	**Continuous operating temperature**	−40…+90 °C (shipboard & offshore duty)
Short-circuit / peak thermal rating	Verified thermal stability per NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	SHF2-MUD Heavy Outer Sheath (OU - P11/P12) — NEK TS 606 mud-, oil- and arctic (40 °C) resistant outer jacket	**Minimum bending radius**	6 × OD
Armour, screen & mechanical duty	Heavy-Duty Elastomeric Inner Sheath (D) — Extruded thermoset inner jacket absorbing torsional & bending stress	**Flame, fire & smoke performance**	Qualified for marine flame-retardance and low-smoke zero-halogen / fire safety per NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353
Oil, drilling mud & seawater resistance	Resistant to marine fuel/lube oils, salt mist and offshore fluids per NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353		

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
RDOU P11 & BDOU P12 0.6/1 KV (NEK 606 FLEXIBLE) Construction Schedule (−40…+90 °C) 3 sizes						
☐ **RDOU P11 3×16+1G16 mm²**	**3 × 16 + 1G16 mm² (4G16)**	**IEC 60228 Class 2/5 Cu/SnCu**	**22.4**	**920**	**3.8**	**135**
☐ **RDOU P11 3×35+1G16 mm²**	**3 × 35 + 1G16 mm² (4G35)**	**IEC 60228 Class 2/5 Cu/SnCu**	**28.8**	**1,690**	**7.4**	**175**
☐ **RDOU P11 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 NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353.

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

- NEK TS 606 P11 / P12 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/rdou-p11-bdou-p12-0-6-1-kv-nek-606-flexible

Typical values for this cable type, based on NEK TS 606 Code P11 (RDOU) & Code P12 (BDOU Fire-Resistant) / IEC 60092-353. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.