



power connection cable series

DPNP / TPNP / FPNP

JIS Flexible Shipboard Rubber Cable

JIS C 3410 0.6/1 kV 2-, 3- & 4-core flexible EPR/neoprene portable shipboard cable

JIS C 3410 DPNP/TPNP/FPNP

0.6/1 kV Flexible Cabtyre

EPR + Neoprene (PCP)

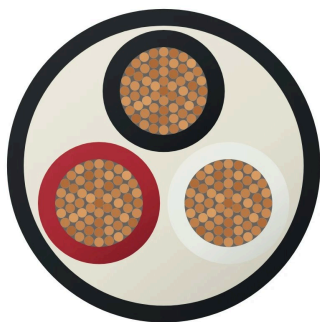
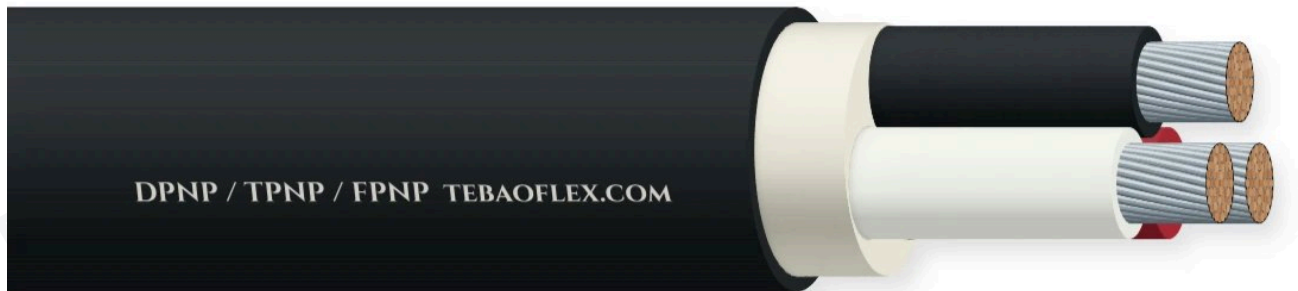


Application

DPNP (2-Core), TPNP (3-Core) and FPNP (4-Core) JIS C 3410 Flexible Shipboard Rubber Cable (0.6/1 kV) constructed with Class 5 flexible tinned copper conductors, 90 °C EP-rubber ('P') insulation, cabtyre fabric reinforcement and.

Typical uses: Shipboard Weather-Deck Portable Equipment, Submersible Salvage, Bilge & Ballast Pumps, Shipyard Drydock & Voyaging Repair Power, Marine Searchlights, Davits & Accommodation Ladders, Resiliently Mounted Engine-Room Auxiliaries

Construction



Cross-section, not to scale

1 Flexible Class 5 tinned annealed copper conductors

2 Ethylene Propylene Rubber ('P') core insulation

Remains flexible from -30 °C to +90 °C

3 Cabtyre elastomeric filler & rubberized cloth tape

4 Polychloroprene ('NP' Neoprene) heavy-duty jacket

Technical data

Typical values

Rated voltage (Uo/U)	0.6 / 1 kV AC	AC dielectric test	3,500 V AC rms for 5 minutes
Max. DC resistance @ 20 °C	8.06 Ω/km (2.5) · 3.37 Ω/km (6) · 1.24 Ω/km (16) · 0.565 Ω/km (35)	Insulation resistance	≥ 400 to 600 MΩ·km @ 20 °C
Max. conductor operating temp.	+90 °C continuous	Flexing / fixed ambient temp.	-30 °C to +60 °C ambient
Short-circuit temperature	+250 °C (5 s)	Min. bend radius	6 × OD (free flexing & portable reeling) · 4 × OD (fixed)
Jacket tensile & elongation	≥ 10.0 N/mm ² tensile strength, ≥ 300 % elongation at break	Impact & crush resistance	Vulcanized cabtyre structure resists hatch and foot traffic
Hot oil immersion test	100 °C × 24 h mineral oil immersion per JIS C 3410	Flame retardancy	IEC 60332-1-2 vertical flame self-extinguishing
Weather & seawater resist.	Polychloroprene (NP) resists UV, ozone & continuous salt spray	Standards	JIS C 3410 (Flexible Cables for Electrical Appliances on Shipboard)

Sizes

6 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

JIS designation	Cores × cross-section	Outer Ø ≈ mm	Weight ≈ kg/km	Max. DC R Ω/km	Ampacity 45°C A
JIS C 3410 0.6/1 kV Flexible EPR/Neoprene Shipboard Cables 6 sizes					
☐ DPNP-2.5	2 × 2.5 mm ² Flexible	12.6	215	8.06	26
☐ TPNP-2.5	3 × 2.5 mm ² Flexible	13.4	255	8.06	22
☐ FPNP-4	4 × 4.0 mm ² Flexible	16.2	395	5.09	29
☐ FPNP-10	4 × 10 mm ² Flexible	21.8	780	1.95	51
☐ FPNP-25	4 × 25 mm ² Flexible	29.5	1,560	0.79	89
☐ FPNP-50	4 × 50 mm ² Flexible	38.0	2,790	0.39	135

– In 4-core FPNP cables, the fourth (Green) core serves as the protective earthing conductor for portable metallic equipment.

Standards and approvals

- ✓ JIS C 3410 Portable Marine
- ✓ ClassNK / ABS / LR / DNV
- ✓ IEC 60332-1-2 Flame Retardant

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/jis-flexible-shipboard-rubber-cable



Typical values for this cable type, based on JIS C 3410 / IEC 60092-353 / ClassNK. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.