marine winch, salvage, shore power & crawler reeling cable

RK-Reel Marine Salvage Winch

RK-Reel Marine Winch & Salvage Reeling Cable

IEC 60092-353 / VDE 0250-814 · 0.6/1 kV · Marine winch, salvage, shore power & crawler



IEC 60092-353 / VDE 0250-814 | 0.6/1 kV (-40 to +90 °C)

Subsea / Marine Outer Protective She

Application

RK-Reel Marine Winch & Salvage Reeling Cable featuring flexible stranded copper conductors (7 cores) and subsea / marine outer protective sheath (IEC 60092-353 / VDE 0250-814, 0.6/1 kV, -40 to +90 °C, min. bend radius 6 × OD).

Typical uses: Marine Salvage, Deck Crane & Oceanographic Winch Drums, High-Voltage & Low-Voltage Port Shore Power (AMP / HVSC) Reels, Seabed Crawler, Amphibious Excavator & Dredge Reeling Systems, Offshore Aquaculture Feed Barge & Net-Handling Winches

Construction





Cross-section, not to scale

1. Flexible Stranded Copper Conductors (7 C
2. Cross-Linked Elastomeric / Polymer Core
3. Water-Blocking Tape & Inner Bedding
4. Subsea / Marine Outer Protective Sheath

Technical data

Typical values

Rated voltage / operating system	0.6/1 kV (IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard)	**Core / conductor construction**	Flexible Stranded Copper Conductors (7 Cores) — Class 5 / class 6 copper conductors
Primary dielectric / optical buffer	Cross-Linked Elastomeric / Polymer Core Insulation — High-modulus ethylene-propylene rubber (hepr) insulation	**Continuous operating temperature**	−40...+90 °C (submerged seawater & topside deck service)
Hydrostatic & thermal cycling endurance	Verified cold-bend and wet dielectric stability across −40...+90 °C per IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard	**Storage & transport temperature**	−40...+80 °C on export wooden/steel cable drum
Outer jacket / sheath protection	Subsea / Marine Outer Protective Sheath — Black hydrolysis- & abrasion-resistant marine Polyurethane (PUR) outer sheath	**Minimum bending radius**	6 × OD
Reinforcement / screen / bedding layer	Water-Blocking Tape & Inner Bedding — Hydrostatic water-blocking filler and low-friction separator wrap	**Seawater, hydrolysis & oil resistance**	Resistant to permanent seawater immersion, hydrolysis, hydraulic oil and bio-fouling per IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard
Hydrostatic pressure & water blocking	Radial and longitudinal water-blocking integrity verified per IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard		

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	Max. pulling kN ≈	Min. bend R mm
RK-Reel Marine Salvage Winch Construction Schedule (−40...+90 °C) 3 sizes						
☐ **RK-Reel Marine Salvage Winch 4G1.5 / 5C18AWG**	**4G1.5 mm² (or 5C × 18 AWG)**	**IEC 60228 Class 5/6 Cu/SnCu**	**9.6**	**145**	**2.2**	**55**
☐ **RK-Reel Marine Salvage Winch 7G1.5 / 8C16AWG**	**7G1.5 mm² (or 8C × 16 AWG)**	**IEC 60228 Class 5/6 Cu/SnCu**	**12.2**	**235**	**3.6**	**70**
☐ **RK-Reel Marine Salvage Winch 12G2.5 / 16C16AWG**	**12G2.5 mm² (or 16C × 16 AWG)**	**IEC 60228 Class 5/6 Cu/SnCu**	**17.4**	**510**	**7.5**	**105**

– Custom core counts, optical fiber channels, wet-mate terminations and continuous winch lengths available per IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} Ω/km	Rating / Impedance / Load	Operating temp.
4G1.5 mm² (or 5C × 18 AWG)	**13.30**	**0.6/1 kV (18 A)**	**−40...+90 °C**
7G1.5 mm² (or 8C × 16 AWG)	**13.30**	**0.6/1 kV (16 A)**	**−40...+90 °C**
12G2.5 mm² (or 16C × 16 AWG)	**7.98**	**0.6/1 kV (22 A)**	**−40...+90 °C**

– Every production length undergoes routine conductor DC resistance / OTDR optical attenuation, AC dielectric and dimensional verification.

Standards and approvals

- IEC 60092-353 / VDE 0250-814 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/rk-reel-marine-winch-salvage-reeling-cable

Typical values for this cable type, based on IEC 60092-353 & VDE 0250-814 RK-Reel Marine Winch & Salvage Reeling Standard. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.