Oceanographic inductive mooring cable

GM1253901

3×19 Inductive Mooring Cable

EN 12385-4 / ISO 13628-5 · 3×19 Seale GIPS · 38.9 kN oceanographic inductive mooring cable

EN 12385-4 | 38.9 kN MBL | 3×19 Seale GIPS

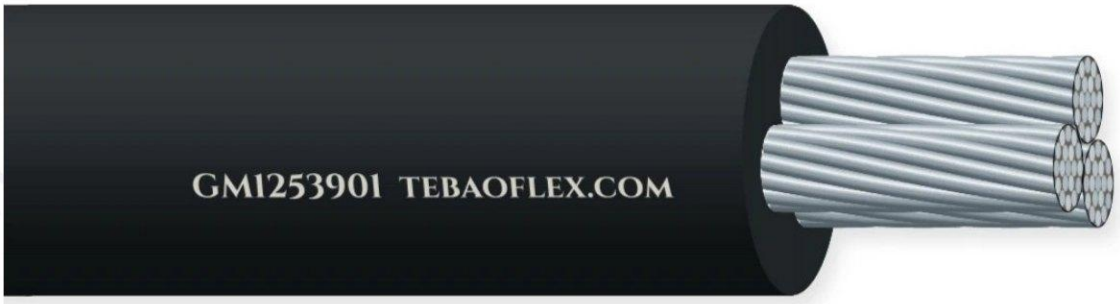


Application

GM1253901 3×19 oceanographic inductive mooring and real-time telemetry wire rope combining a 6.35 mm (1/4 in.) galvanized improved plow steel (GIPS) 3×19 Seale strand with an extruded 9.53 mm (3/8 in.) black HDPE dielectric jacket for.

Typical uses: Subsea ROV, AUV & Towed Array Systems, Offshore Oil, Gas & Subsea Production Umbilicals, Oceanographic Mooring & Deep-Water Telemetry, Naval Defence, Hydrographic & Sonar Arrays

Construction





Cross-section, not to scale

1	3x19 Galvanized Improved Plow Steel Wire Rope	EN 12385-4 / ASTM A1023 / ISO 13628-5
2	Void-Free Thermoplastic Interstice Impregnation	EN 12385-4 / ASTM A1023 / ISO 13628-5
3	Abrasion-Resistant HDPE Insulating Outer Jacket	EN 12385-4 / ASTM A1023 / ISO 13628-5

Technical data

Typical values

Rated voltage / transmission duty	Inductive Data (EN 12385-4 / ASTM A1023 / ISO 13628-5)	**Core / conductor construction**	3x19 Galvanized Improved Plow Steel Wire Rope — Three-strand x 19-wire (57-wire Seale/Warrington) hot-dip galvanized high-tensile steel load-bearing conductor & mooring core
Primary dielectric / buffering	Void-Free Thermoplastic Interstice Impregnation — Extruded polymeric matrix forced into strand interstices to block axial water migration and internal fretting corrosion	**Continuous operating temperature**	−40…+70 °C (subsea immersion & marine deck service)
Storage & transport temperature	−40…+80 °C on marine export reel	**Outer protection / armouring**	Abrasion-Resistant HDPE Insulating Outer Jacket — High-density polyethylene (HDPE) seawater-insulating outer jacket completing the single-wire seawater-return inductive loop
Minimum bending radius	15–20 × OD	**Hydrostatic depth rating**	Up to 6,000 m water depth (60 MPa hydrostatic pressure)
Seawater, hydrolysis & oil resistance	Continuous seawater immersion, hydraulic fluids and marine UV per EN 12385-4 / ASTM A1023 / ISO 13628-5	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	EN 12385-4 / ASTM A1023 / ISO 13628-5		

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	Weight in air ≈ kg/km	Breaking load kN ≈	Min. bend R mm
GM1253901 Subsea Construction Schedule (−40…+70 °C) 3 sizes						
☐ **GM1253901 1/4" Jacketed to 3/8"**	**6.35 mm Steel / 9.53 mm OD**	**3 × 19 Seale GIPS**	**9.5**	**205**	**38.9**	**145**
☐ **GM1253901 5/16" Jacketed to 7/16"**	**7.94 mm Steel / 11.1 mm OD**	**3 × 19 Seale GIPS**	**11.1**	**302**	**60.1**	**170**
☐ **GM1253901 3/8" Jacketed to 1/2"**	**9.53 mm Steel / 12.7 mm OD**	**3 × 19 Seale GIPS**	**12.7**	**425**	**85.4**	**195**

– Custom core counts, optical fibre counts, armour wire grades and factory-moulded subsea terminations available per EN 12385-4 / ASTM A1023 / ISO 13628-5.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
6.35 mm Steel / 9.53 mm OD	**7.80**	**≥ 10 GΩ·km insulation**	**−40…+70 °C**
7.94 mm Steel / 11.1 mm OD	**5.10**	**≥ 10 GΩ·km insulation**	**−40…+70 °C**
9.53 mm Steel / 12.7 mm OD	**3.60**	**≥ 10 GΩ·km insulation**	**−40…+70 °C**

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

Standards and approvals

- EN 12385-4 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/gm1253901-3x19-galvanized-steel-inductive-mooring-telemetry-cable

Typical values for this cable type, based on EN 12385-4 / ASTM A1023 / ISO 13628-5. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.