subsea umbilical, ROV tether & oceanographic tow cable

HYD Fluid Streamer

HYD Series (Ø 32–38 mm) 1–24 Channel Dual-Aramid Silicone-Fluid High-R

HYD Ø 32–38 mm Seismic Streamer · 48 V DC / 300 V · Subsea umbilical, rov tether &



HYD Ø 32–38 mm Seismic Streamer | **48 V DC / 300 V (-20 to +70 °C)** | **32-38 mm Silicone-Fluid PUR Hose**

Application

HYD Series (Ø 32–38 mm) 1–24 Channel Dual-Aramid Silicone-Fluid High-Resolution Seismic Streamer (HYD Ø 32–38 mm Seismic Streamer) engineered for 48 V DC / 300 V service across -20 to +70 °C (min. bend radius 10 × OD).

Typical uses: Oceanographic CTD, ADCP & Deep-Tow Surveys, Work-Class & Observation ROV / AUV Systems, Side-Scan Sonar, SAS & Towed Hydrophone Arrays, Marine 2D/3D/UHR Seismic Streamers & OBC

Construction





Cross-section, not to scale

1. Shielded Analog Acoustic Pairs (1-24 Ch)
2. Preamplifier Power Supply Conductors
3. 350 kgf Built-In Aramid Strength Core
4. 32-38 mm Silicone-Fluid PUR Hose

Technical data

Typical values

Rated voltage / transmission duty	48 V DC / 300 V (HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification)	**Core / conductor construction**	Shielded Analog Acoustic Pairs (1-24 Ch) — Low-noise shielded twisted pairs for hydrophone array elements
Primary dielectric / buffering	Preamplifier Power Supply Conductors — Polyolefin-insulated tinned copper preamp power cores	**Continuous operating temperature**	−20…+70 °C (subsea & offshore duty)
Hydrostatic & thermal stability	Verified thermal and hydrostatic stability per HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification	**Storage & transport temperature**	−40…+80 °C on export wooden/steel winch reel
Outer protection / armouring	32-38 mm Silicone-Fluid PUR Hose — Acoustically transparent polyurethane tube filled with silicone oil	**Minimum bending radius**	10 × OD
Armour, strength member & mechanical duty	350 kgf Built-In Aramid Strength Core — Central aramid rope coupled with 50 m tow lead-in cable	**Seawater, hydrostatic & hydrolysis resistance**	Engineered for continuous seawater immersion, pressure cycling and hydrolysis resistance per HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification
Oil, drilling mud & abrasion resistance	Resistant to marine hydraulic oils, salt mist, winch sheave wear and seabed abrasion per HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification		

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	Breaking / tensile kN ≈	Min. bend R mm
HYD Fluid Streamer Construction Schedule (−20…+70 °C) 3 sizes						
☐ **HYD Fluid Streamer 4Pr / 8Ch**	**4×2×24–20 AWG (or 8-Ch Array)**	**Stranded SnCu + Foil/Braid + Aramid**	**11.2**	**175**	**12.5**	**90**
☐ **HYD Fluid Streamer 8Pr / 16Ch**	**8×2×22–18 AWG (or 16-Ch Array)**	**Stranded SnCu + Foil/Braid + Aramid**	**16.4**	**340**	**24.0**	**130**
☐ **HYD Fluid Streamer 16Pr / 24Ch**	**16×2×18–16 AWG (or 24-Ch Array)**	**Stranded SnCu + Foil/Braid + Aramid**	**24.8**	**690**	**35.0**	**195**

– Custom core cross-sections, pair/fibre counts, armour breaking loads and continuous winch/seabed lengths available per HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
4×2×24–20 AWG (or 8-Ch Array)	**42.00**	**48 V DC / 300 V (≤55 nF/km)**	**−20…+70 °C**
8×2×22–18 AWG (or 16-Ch Array)	**26.00**	**48 V DC / 300 V (≤60 nF/km)**	**−20…+70 °C**
16×2×18–16 AWG (or 24-Ch Array)	**15.20**	**48 V DC / 300 V (≤65 nF/km)**	**−20…+70 °C**

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

Standards and approvals

- HYD Ø 32–38 mm Seismic Streamer 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/hyd-fluid-high-res-seismic-streamer-cable

Typical values for this cable type, based on HYD Series (Ø 32–38 mm, 360 kgf) 1–24 Channel Fluid-Filled Seismic Streamer Specification. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.