subsea umbilical, ROV tether & oceanographic tow cable

AH Fluid Streamer

AH Series 8–24 Channel Aramid-Reinforced Silicone-Fluid-Filled Marine

Marine Seismic / AH Fluid Streamer · 48 V DC / 300 V · Subsea umbilical, rov tether &



Marine Seismic / AH Fluid Streamer | **48 V DC / 300 V (-20 to +70 °C)** | **Polyurethane (PUR) Acoustic Streamer**

Application

AH Series 8–24 Channel Aramid-Reinforced Silicone-Fluid-Filled Marine Seismic Streamer Cable (Marine Seismic / AH Fluid 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. 8-24 Channel Shielded Hydrophone Pairs
2. Internal 350 kgf Aramid Strength Rope
3. PMX-561 Silicone Acoustic Fluid Fill
4. Polyurethane (PUR) Acoustic Streamer Hos

Technical data

Typical values

Rated voltage / transmission duty	48 V DC / 300 V (AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR Seismic Streamer Specification)	**Core / conductor construction**	8-24 Channel Shielded Hydrophone Pairs — Low-noise polyolefin twisted pairs with individual foil shields
Primary dielectric / buffering	Internal 350 kgf Aramid Strength Rope — Central aramid load-bearing rope integrated with 50 m lead-in	**Continuous operating temperature**	−20…+70 °C (subsea & offshore duty)
Hydrostatic & thermal stability	Verified thermal and hydrostatic stability per AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR Seismic Streamer Specification	**Storage & transport temperature**	−40…+80 °C on export wooden/steel winch reel
Outer protection / armouring	Polyurethane (PUR) Acoustic Streamer Hose — High-elasticity abrasion-resistant polyurethane streamer skin	**Minimum bending radius**	10 × OD
Armour, strength member & mechanical duty	PMX-561 Silicone Acoustic Fluid Fill — Acoustic coupling fluid providing neutral buoyancy and wave transmission	**Seawater, hydrostatic & hydrolysis resistance**	Engineered for continuous seawater immersion, pressure cycling and hydrolysis resistance per AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR Seismic Streamer Specification
Oil, drilling mud & abrasion resistance	Resistant to marine hydraulic oils, salt mist, winch sheave wear and seabed abrasion per AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR Seismic Streamer Specification	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR 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
AH Fluid Streamer Construction Schedule (−20…+70 °C) 3 sizes						
☐ **AH Fluid Streamer 4Pr / 8Ch**	4×2×24–20 AWG (or 8-Ch Array)	Stranded SnCu + Foil/Braid + Aramid	11.2	175	12.5	90
☐ **AH Fluid Streamer 8Pr / 16Ch**	8×2×22–18 AWG (or 16-Ch Array)	Stranded SnCu + Foil/Braid + Aramid	16.4	340	24.0	130
☐ **AH 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 AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR 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

- Marine Seismic / AH Fluid 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/ah-series-fluid-seismic-streamer-cable

Typical values for this cable type, based on AH Series 8–24 Channel Dual-Aramid (350 kgf) Silicone-Fluid PUR 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.