subsea umbilical, ROV tether & oceanographic tow cable

LH-16 Solid Streamer

LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid Ultra-High-Resolution Digi

LH-16 Ø 44.5 mm Solid Streamer · 48 V DC / 300 V · Subsea umbilical, rov tether &



LH-16 Ø 44.5 mm Solid Streamer | 48 V DC / 300 V (-20 to +70 °C) | Polyurethane (PUR) Streamer Outer Ja

Application

LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid Ultra-High-Resolution Digital Seismic Streamer Cable (LH-16 Ø 44.5 mm Solid 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. 8/16/24-Channel Gigabit Digital Bus
2. Built-In Aramid Tensile Strength Core
3. 944.5 mm All-Solid Acoustic Matrix
4. Polyurethane (PUR) Streamer Outer Jacket

Technical data

Typical values

Rated voltage / transmission duty	48 V DC / 300 V (LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital Seismic Streamer Specification)	**Core / conductor construction**	8/16/24-Channel Gigabit Digital Bus — High-speed digital twisted pairs for UHR seismic acquisition
Primary dielectric / buffering	Built-In Aramid Tensile Strength Core — Central aramid strength member absorbing streamer tow tension	**Continuous operating temperature**	−20…+70 °C (subsea & offshore duty)
Hydrostatic & thermal stability	Verified thermal and hydrostatic stability per LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital Seismic Streamer Specification	**Storage & transport temperature**	−40…+80 °C on export wooden/steel winch reel
Outer protection / armouring	Polyurethane (PUR) Streamer Outer Jacket — High-visibility yellow abrasion-resistant PUR sheath	**Minimum bending radius**	10 × OD
Armour, strength member & mechanical duty	944.5 mm All-Solid Acoustic Matrix — Non-fluid solid polymer core eliminating oil spill hazards	**Seawater, hydrostatic & hydrolysis resistance**	Engineered for continuous seawater immersion, pressure cycling and hydrolysis resistance per LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital Seismic Streamer Specification
Oil, drilling mud & abrasion resistance	Resistant to marine hydraulic oils, salt mist, winch sheave wear and seabed abrasion per LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital Seismic Streamer Specification	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital 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
LH-16 Solid Streamer Construction Schedule (−20…+70 °C) 3 sizes						
☐ LH-16 Solid Streamer Coax / Cat5e	Coax (39/40/50/75 Ω) or 4Pr Cat5e + Power	Stranded SnCu + Foam PE/FEP + Armour/Aramid	8.2	245	42.7	120
☐ LH-16 Solid Streamer Composite B	Heavy Coax / 64-Ch Digital Bus + Power	Stranded SnCu + Low-Loss Dielectric + Strength	11.5	485	71.2	170
☐ LH-16 Solid Streamer Array / Trunk C	Multi-Ch Digital Streamer / 255-Ch Bus	Redundant Telemetry + Aramid + PUR Jacket	44.5	1,620	95.0	445

– Custom core cross-sections, pair/fibre counts, armour breaking loads and continuous winch/seabed lengths available per LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital Seismic Streamer Specification.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
Coax (39/40/50/75 Ω) or 4Pr Cat5e + Power	18.50	48 V DC / 300 V (High-Speed)	−20…+70 °C
Heavy Coax / 64-Ch Digital Bus + Power	11.20	48 V DC / 300 V (Deep-Tow/Array)	−20…+70 °C
Multi-Ch Digital Streamer / 255-Ch Bus	6.80	48 V DC / 300 V (Full Array)	−20…+70 °C

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

Standards and approvals

- LH-16 Ø 44.5 mm Solid 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/lh-16-uhr-solid-digital-seismic-streamer

Typical values for this cable type, based on LH-16 (Ø 44.5 mm) 8/16/24-Channel All-Solid UHR Digital 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.