



instrumentation cable series

# EcoSeal Coaxial 2Q37-EHS

## Hermetically Sealed Coaxial Cased-Hole

Hermetically polymer-sealed coaxial cased-hole wireline cable (9.50 mm / .374")



Hermetically Sealed Core

Coaxial High-Data-Rate

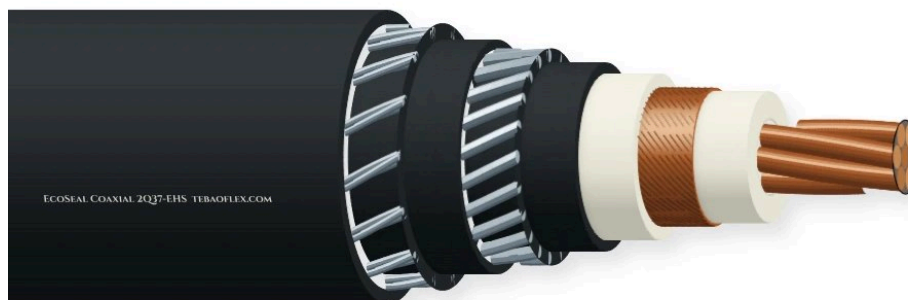
.374" (9.50 mm) - 73.4 kN

### Application

EcoSeal Coaxial 2Q37-EHS Hermetically Sealed Cased-Hole Wireline Logging Cable (.374" / 9.50 mm) featuring a high-bandwidth coaxial copper core, cross-linked ETFE insulation, polymer-encapsulated interstitial barrier and.

**Typical uses:** Real-Time Downhole Video & Optical Inspection, High-Pressure Gas Well Cased-Hole Logging, Ultrasonic & Electromagnetic Casing Imaging, Downhole Tractor & Mechanical Pipe Recovery, Plug-and-Perf High-Speed Telemetry

### Construction



Cross-section, not to scale

- 1 Central compacted tinned copper conductor
- 2 Code 'Q' cross-linked ETFE coaxial dielectric
- 3 Concentric copper coaxial return shield ('2')
- 4 EcoSeal hermetic polymer interstitial matrix
- 5 Double contra-helical EHS steel wire armour

73.4 kN (16,500 lbf)  
breaking load

## Technical data

Typical values

|                            |                                                                                  |                             |                                                    |
|----------------------------|----------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------|
| Characteristic impedance   | 50 ± 4 Ω (@ 1–10 MHz)                                                            | Attenuation @ 1 MHz / 5 MHz | ≤ 3.8 dB/km (@ 1 MHz) · ≤ 8.9 dB/km (@ 5 MHz)      |
| Center / shield DC R       | 14.2 Ω/km (centre) · 9.8 Ω/km (copper shield)                                    | Voltage & IR rating         | 1,200 V DC/rms · IR ≥ 15,000 MΩ·km @ 500 V DC      |
| Continuous operating temp. | -40 °C to +175 °C (+347 °F)                                                      | Short-term downhole peak    | +190 °C (6 h)                                      |
| Explosive decompression    | Zero core/matrix blistering after 105 MPa CH <sub>4</sub> /CO <sub>2</sub> bleed | Min. breaking strength      | 73.4 kN (16,500 lbf) — EHS armour                  |
| Weight in air / fluid      | 368 kg/km (air) · 302 kg/km (in 1.0 SG water)                                    | Min. sheave diameter        | 510 mm (20 in)                                     |
| Axial gas block rating     | Zero axial gas migration at 105 MPa (15,000 psi)                                 | Grease head efficiency      | Reduces grease-injection consumption by up to 50 % |
| Sour gas option            | Available per NACE MR0175 / ISO 15156                                            | Standards                   | API RP 9B & ISO 13628-5                            |

## Sizes

2 standard constructions

Tick the sizes you need and send this page to [info@tebaoflex.com](mailto:info@tebaoflex.com) or WhatsApp +86 185 9591 3361.

| Order designation                                   | Armour metallurgy                 | Nominal Ø<br>mm | Weight in air<br>kg/km | Break load<br>kN | Atten @ 1MHz<br>dB/km |
|-----------------------------------------------------|-----------------------------------|-----------------|------------------------|------------------|-----------------------|
| Hermetically Sealed Coaxial Wireline Cables 2 sizes |                                   |                 |                        |                  |                       |
| <input type="checkbox"/> EcoSeal 2Q37-EHS           | EHS Galvanized Steel (+175 °C)    | 9.50            | 368                    | 73.4             | 3.8                   |
| <input type="checkbox"/> EcoSeal 2Q37-A27 (Sour)    | Alloy 27-7MO / MP35N Sour Service | 9.50            | 374                    | 68.5             | 3.8                   |

– Fits standard 3/8 in (9.52 mm) grease-injection flow tubes and sheave wheels.

## Standards and approvals

- ✓ API RP 9B & ISO 13628-5
- ✓ ASTM A475 EHS Wire
- ✓ NACE MR0175 (A27 Option)

## 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](mailto:info@tebaoflex.com)

Web

[tebaoflex.com/cables/ecoseal-2q37-ehs-hermetically-sealed-coaxial-cased-hole-logging-cable](https://tebaoflex.com/cables/ecoseal-2q37-ehs-hermetically-sealed-coaxial-cased-hole-logging-cable)



Typical values for this cable type, based on API RP 9B / ISO 13628-5 / ASTM A475. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.