2-inch stainless-steel bore 570 kN subsea gas-extraction riser

REF 58400

2" SS Core & 57,000 daN Armoured Gas-Extraction Umbilical

57,000 daN Subsea Riser · 0.6/1 kV · 2-inch stainless-steel bore 570 kn subsea



2-Inch (50.8 mm) SS Bore | **≥57,000 daN (570 kN) MBL** | **Aramid + SWA Riser**

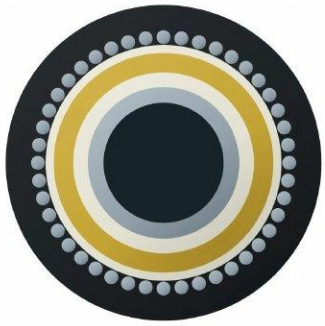
Application

REF 58400 2-Inch Armoured Stainless-Steel Core Tube with Contra-Helical Double Aramid Braid & Galvanized Steel Wire Armour (57,000 daN) PUR Subsea Gas-Extraction Umbilical (57,000 daN Subsea Riser, 0.6/1 kV, -20 to +70 °C).

Typical uses: Work-Class & Observation ROV Systems, Offshore Wind & Subsea Power Grids, Oceanographic, Sonar & Seismic Survey, Commercial Diving & Subsea Intervention

Construction





Cross-section, not to scale

1. 2" Armored Stainless-Steel Core Hose
2. Contra-Helical Double Aramid Braid
3. Galvanized Steel Wire Armor (≥57,000 daN)
4. Polyurethane Outer Sheath (Ø84 ± 2 mm)

Technical data

Typical values

Rated voltage / transmission duty	0.6/1 kV (ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser)	**Core / conductor construction**	2" Armored Stainless-Steel Core Hose — Central 2-inch (50.8 mm bore) armored stainless-steel hose for subsea methane extraction
Primary dielectric / buffering	Contra-Helical Double Aramid Braid — Two counter-helical layers of high-modulus aramid fibre tensile reinforcement	**Continuous operating temperature**	−20…+70 °C (subsea, marine & submersible duty)
Short-circuit / peak thermal rating	Verified thermal stability per ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Polyurethane Outer Sheath (Ø84 ± 2 mm) — Heavy-duty black PUR jacket (7.0 kg/m, equipped with SS anchor & PU bend limiter)	**Minimum bending radius**	15 × OD
Hydrostatic, tensile & crush duty	Galvanized Steel Wire Armor (≥57,000 daN) — 44 helically served galvanized round steel wires for crush & impact protection	**Hydrostatic pressure & water blocking**	Engineered for continuous submersion and hydrostatic integrity per ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser
Seawater, oil & chemical resistance	Resistant to seawater hydrolysis, hydraulic oils and abrasion per ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser		

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	Tensile rating kN ≈	Min. bend R mm
REF 58400 Construction Schedule (−20…+70 °C) 3 sizes						
☐ **REF 58400 3-Part / Compact Assembly**	Gas/Hydraulic Hose + Power + Comms/Coax	Helical cabled composite umbilical	28.5	920	25.0	285
☐ **REF 58400 4-Part / Standard Assembly**	Dual Hose + 75 Ω Video Coax + Comms Pairs	Helical cabled composite umbilical	36.0	1,540	48.0	360
☐ **REF 58400 Heavy Bell / Intervention**	Multi-Hose + 3×Coax + Power/Signal Quads	Aramid-reinforced subsea umbilical	54.0	3,420	90.0	540

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
Gas/Hydraulic Hose + Power + Comms/Coax	4.95	0.6/1 kV + 35–240 bar Fluid	−20…+70 °C
Dual Hose + 75 Ω Video Coax + Comms Pairs	3.30	0.6/1 kV + 35–240 bar Fluid	−20…+70 °C
Multi-Hose + 3×Coax + Power/Signal Quads	1.91	0.6/1 kV + 100–240 bar Fluid	−20…+70 °C

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

Standards and approvals

- ✓ 57,000 daN Subsea Riser 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	Email	Web
+86 185 9591 3361	**info@tebaoflex.com**	**tebaoflex.com/cables/ref-58400**

Typical values for this cable type, based on ISO 13628-5 / 57,000 daN Armoured Subsea Gas-Extraction Riser. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.