Thermocouple, RTD & downhole logging cables

1-FT-295-ETFJ Wireline

1-FT-295-ETFJ Blue ETFE-Jacketed Wireline Cable

0.295" blue ETFE-encapsulated armored monocore downhole logging cable

API RP 9A | 1000 V · +200 °C | Armored Logging



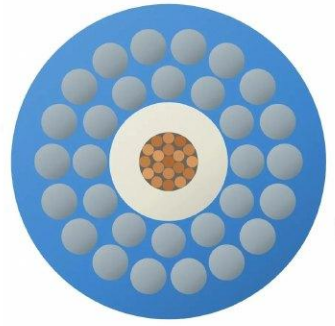
Application

1-FT-295-ETFJ Wireline seals a bare copper monocore, fluoropolymer insulation, and counter-helical steel wire armor inside a slick blue extruded ETFE outer jacket for corrosive H2S/CO2 oil & gas wells.

Typical uses: Onshore & offshore oilfield well logging, HPHT geothermal & deep cased-hole wells, Perforating, slickline & production telemetry, Sour-gas H2S/CO2 downhole intervention

Construction





Cross-section, not to scale

1	**Conductor**	ASTM B172 Class K flexible bare annealed copper · ASTM B172 Class K
2	**Fluoropolymer dielectric**	High-temperature FEP/ETFE fluoropolymer primary dielectric · API RP 9A
3	**Double steel wire armor**	Double counter-helical GIPS steel armor encapsulated in ETFE · API RP 9A
4	**ETFE outer jacket**	Blue slick chemical- & abrasion-resistant extruded ETFE outer jacket

Technical data

Typical values

Rated voltage	1000 V	Test voltage	3 kV AC
Conductor	Bare Cu · Cl.K	Insulation	High-temperature FEP/ETFE fluoropolymer
Impedance / insulation	≥ 1,000 MΩ·km at 20 °C	Temp. range (fixed)	-40 °C to +200 °C
Temp. range (flexing)	-30 °C to +200 °C	Peak / short-circuit	+220 °C (short-term)
Min. bending radius	25 × OD (fixed)	Flame / fire rating	ETFE Sour-Gas Barrier
Thermal / chemical	Double Steel Armor	Mechanical / special	Low-Friction Well Seal
Outer finish	Blue slick chemical- & abrasion-resistant		

Sizes

4 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Monocore AWG	Outer Ø ≈ mm	Max. R20 Ω/km	Metal index kg/km	Weight ≈ kg/km	Min. bend R 25×D mm
☐ 1×20 AWG Monocore	6.1	36.70	6	165	152
☐ 1×18 AWG Monocore	6.7	23.20	9	215	168
☐ 1×16 AWG Monocore	7.5	14.70	14	275	188
☐ 1×14 AWG Monocore	8.4	9.07	22	345	210

- Conductor DC resistance R20 at 20 °C per ASTM B172 Class K.
- Minimum bending radius calculated at 25 × nominal outer diameter (OD). Custom core counts and lengths available on request.

Standards and approvals

- ✓ API RP 9A
- ✓ ICEA S-73-532
- ✓ IEEE 1580 (ref.)
- ✓ 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/1-ft-295-etfj-etfe-jacketed-wireline-cable

Typical values for this cable type, based on API RP 9A · ICEA S-73-532 · IEEE 1580 (ref.). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.