Optical sensing cable

TEF

Downhole Tubing-Encased Optical Sensing Cable

Optical sensing cable

Optical sensing cable **Order-specific design**



Application

Protected electrical or optical path for downhole instrumentation. Tube material, sensing elements and encapsulation are selected with the well conditions.

Typical uses: Oil and gas, Marine and offshore, Condition monitoring

Construction





Cross-section, not to scale

1	Sensing element	Optical fibre
2	Dielectric barrier	Optical fibre in metal tube
3	Outer sheath	Metal tube

Technical data

Typical values

Service profile	Fixed installation with installation flexing	**Optical technology**	DTS / DAS
Water exposure	Specify depth, pressure and water chemistry	**Chemical compatibility**	Verify against the actual fluid and temperature
Standards	Order-specific design		

Sizes

1 standard constructions

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

	Configuration	Rated voltage	Insulation	Outer sheath	Core arrangement
☐	**TEF**	–	**Optical fibre in metal tube**	**Metal tube**	**Optical sensing elements**

– This reference row describes a construction, not an orderable size. Provide the required core count and cross-section with the enquiry.

Standards and approvals

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/downhole-tubing-encased-optical-sensing-cable

Typical values for this cable type, based on Order-specific design. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.