

SensorLine II

Linear Temperature Sensor

Sensa
a Schlumberger company

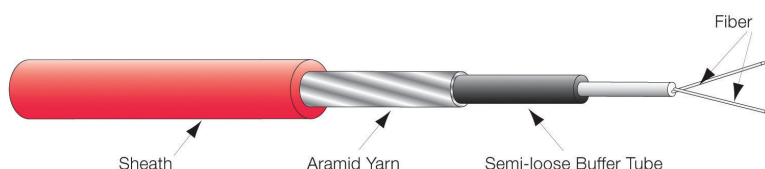
your sixth sense

Technical Description

SensorLine II is a semi-loose buffer type, flame retardant, twin fibre optic sensor cable.

Fiber

- **LTS 200 series:** 62.5/125 μ m Graded Index, Multimode Fiber, Acrylate Coating.
- **Operating Temperature:** -20°C to 90°C (continuous), 150°C (48 hrs) (Higher temperatures can be withstood for short durations.) Operating temperature -20°C to 90°C



4mm SensorLine II

Specification

Physical

Nominal Cable Diameter:	4.0 mm
Maximum Weight:	17 kg/km
Minimum Bending Radius:	50 mm
Maximum Tensile Load:	150 N

Cable Sheath

Flame retardent, low smoke and fume zero halogen	
Oxygen Index:	38% (ASTM D-2863)
Flammability Temperature Index:	270°C (NES 715)
Vertical Burning Test:	Pass (NES 715)
Halogen Content:	00 (BS 6425)
Toxicity Index:	0.4 (NES 713)
Hardness:	<=56 Shore D (ASTM D-2240)
Impact Strength @ -25°C:	PASS. (IEC 60811-1-4)

Mechanical

Tensile Performance:	IEC 60794-1 E1
Crush Resistance:	IEC 60794-1 E3
Impact:	IEC 60794-1 E4
Repeated Bending:	IEC 60794-1 E6
Torsion:	IEC 60794-1 E7
Cable Bending:	IEC 60794-1 E11

Environmental

Operating Temperature Range:	-20°C to 70°C (continuous)
Storage Temperature Range:	-20°C to 70°C
Installation Temperature:	>10°C
Compliance:	IEC 60794-1 F1

Key features

- Twin fibre
- Gel filled, loose tube, optical unit.
- Low thermal mass for rapid response to temperature.
- Strong, lightweight and flexible.
- Low smoke halogen free sheath with excellent flame retardant properties.
- Suitable for indoor and outdoor applications.
- Designed for ease of installation
- Twin fiber for dual redundant systems

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DS-STUBE2-lss01



Quality Systems Certificate No. 648
Assessed to ISO 9001:2000



www.sensa.org