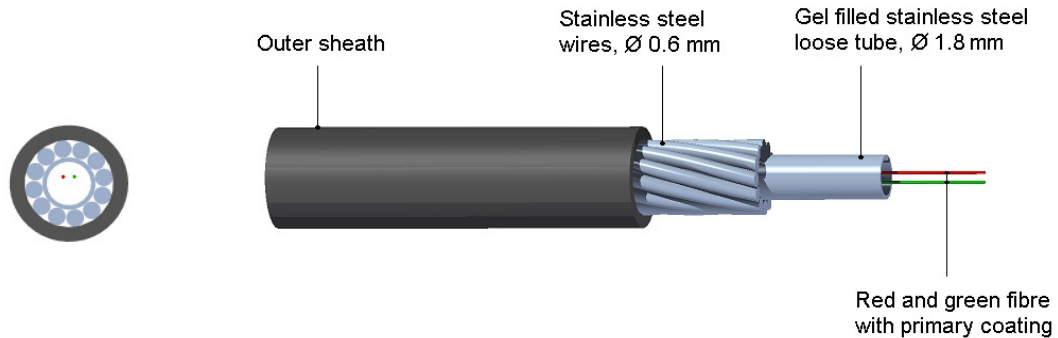


Sensor Cable Fast Response PEx, 4.0 mm

Part number: 28030515

Steel loose tube with 2 fibres, metal strength members and outer sheath:






Specifications

General description	Anti-static sensor cable for linear heat detection and temperature monitoring in explosive areas with dust. Stainless steel tube with integrated optical fibres and filled with gel. Additional stranded with stainless steel wires and jacketed with semi-conductive PE outer sheath.
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Optical fibre	62,5/125µm, Graded index
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Mechanical Data

Steel loose tube	Hydrophobic gel filled as fibre protection, longitudinal water-tight.
Outer diameter	1.8 mm
Number of fibres	2
Armour	12 steel wires with 0.6 mm diameter
Outer sheath	PE, semi-conductive, black
Outer diameter	4.0 mm
Labeling (white)	Production lot  [meter marking] LIOS Sensing Fast Response PEx 28030515  OPTICAL FIBRE CABLE  NKT Photonics

Sensor Cable Fast Response PEx, 4.0 mm

Part number: 28030515

Mechanical characteristics

Min. bending radius	
without tensile loading (IEC 60794-1-2, G1)	40 mm
with tensile loading (IEC 60794-1-2, E6)	80 mm (500 cycles, 100 N)
Max. tensile strength (IEC 60794-1-2, E1)	
long term	1100 N
short term	2000 N
Weight	41,5 kg/km
Max. crush resistance (IEC 60794-1-2, E3)	10000 N/dm (10 min.)
Impact resistance (IEC 60794-1-2, E4)	20 impacts with 1.0 Nm (marking stamp 300 mm)

Thermal characteristics

Operating and storage temperature	- 25°C to + 85°C
Installation temperature	- 5°C to + 50°C
Short term temperature	- 50°C to + 150°C (max. 60 min.)

Additional characteristics

Fire load	0.31 MJ/m
Fire performance	Cable is halogen free, non- corrosive and no toxic fumes
Chemical	Good resistance to oil, petrol, acid and leach

Standards

Cable	IEC 60794
Fibre	IEC 60793

Remark

Remark	A calibration sheet can be supplied on request.
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