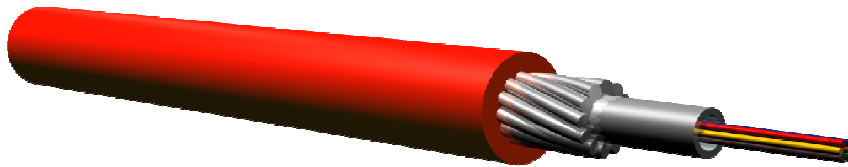
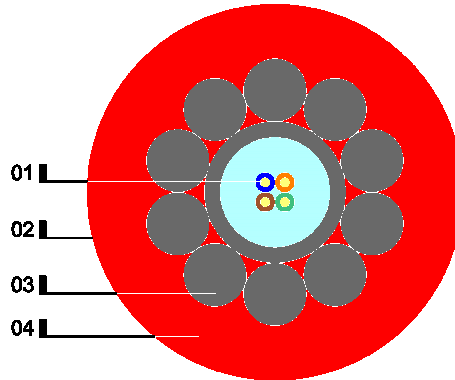


# DTS-FOSC (Temperature FO Sensing Cable) / ETW.40.104

## Metallic Armored Sensing Optical Cable (UP TO 12 FO)

### Cable Description

- 01. Fibre Optics
- 02. Satinless Steel Tube
- 03. Metallic Armour
- 04. Outer Jacket



### Applications

Universal (Indoor/Outdoor)  
 Temperature Sensing Applications  
 Raman Detection  
 Harsh Environments

### Features

Compact  
 Tough  
 Resistant  
 Reduced diameter  
 Watertight  
 Excellent resistance to rodents



MOISTURE PROTECTED



WATERTIGHT



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



HALOGEN FREE



DISTRIBUTED TEMPERATURE SENSOR

### SPECIFICATIONS

Fibre Count	UP TO 8	UP TO 12
Loose Tube	Stainless Steel Tube	
Loose Tube Ø (mm)	1.80 ±0.05	2.40 ±0.05
Armour	Stainless Steel Wires	
Outer Sheath	LSZH-FR – Red (RAL 3000)	
Weigth (Kg/Km)	64	79
Outer Ø (mm)	4.8 ±0.3	5.4 ±0.3
Máx. Tensile Load (N)	3000 (according IEC 60794-1-2 E1)	
Máx. Crush (N/10cm)	14000 (according IEC 60794-1-2 E3)	
Temperature Range	-30°C ~ +70°C (according IEC 60794-1-2 F1)	

### Standards

Thermal and mechanical tests: EN187000, IEC60794-1-2.

### Fire Rating

Halogen Free (IEC-60754-1)  
 Low smoke emission (IEC-61034-1/-2)  
 Flame Retardant (IEC-60332-1)  
 Fire Retardant (IEC-60332-3)  
 Fire Resistant (IEC-60331-25)

Fibres colour code (TIA-598): Blue – Orange – Green – Brown – Grey – White – Red – Black – Yellow – Violet – Pink – Turquoise.