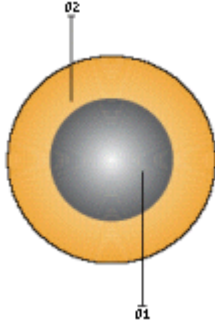


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# OPTRAL



## POF / IDF Simplex Simplex Plastic Fibre Cable



### Cable description

- 01. Plastic fibre optic 1 mm
- 02. Outer jacket

### Fire resistance

Flame retardant  
Low smoke emission

### Connectorization

Compatible with connectors:  
F05, F07  
V-PIN simplex (HP connector)  
FSMA, ST, SCRJ

### Applications

Indoor  
Industrial control  
Short distances  
Optical sensors

### Advantages

Totally dielectric / Flexible / Easy connectorization.



TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



FLAME RETARDANT



LOW SMOKE EMISSION



All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

	SPECIFICATIONS
<b>Fibre Diameter (mm)</b>	1
<b>Outer Jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Outer Diameter (mm)</b>	2.2
<b>Weight (Kg/Km)</b>	5
<b>Max. Installation Tensile Load (N)</b>	10
<b>Max. Permanent Tensile Load (N)</b>	5
<b>Min. Bending Radius (mm)</b>	30
<b>Temperature Range</b>	-40°C to +80°C

### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794.  
Fire test according to: UNE-EN 50265 (IEC 60332-1) / UNE-EN 50268 (IEC 61034-1/2).

<sup>1</sup>FRLS – Special PVC heavy metals free, halogen low, low smoke emission and flame retardant.

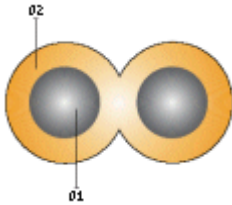
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# OPTRAL



## POF / IDF Duplex Duplex Plastic Fibre Cable



### Cable description

- 01. Plastic fibre optic 1mm
- 02. Outer jacket

### Fire resistance

Flame retardant  
Low smoke emission

### Connectorization

Compatible with connectors:  
F05, F07  
V-PIN simplex, duplex (HP connectors)  
FSMA, ST, SCRJ

### Applications

Indoor  
Industrial control  
Short distances  
Optical sensors



### Advantages

Totally dielectric / Lightweight / Flexible / Easy connectorization



All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.

SPECIFICATIONS	
<b>Fibre Diameter (mm)</b>	1
<b>Outer Jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Outer Diameter (mm)</b>	2.2 x 4.4
<b>Weight (Kg/Km)</b>	11
<b>Max. Installation Tensile Load (N)</b>	20
<b>Max. Permanent Tensile Load (N)</b>	10
<b>Min. Bending Radius</b>	30
<b>Temperature Range</b>	-40°C to +80°C

### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794.  
Fire test according to: UNE-EN 50265 (IEC 60332-1) / UNE-EN 50268 (IEC 61034-1/2).

<sup>1</sup> FRLS – Special PVC heavy metals free, low halogen and low smoke emission and flame retardant.

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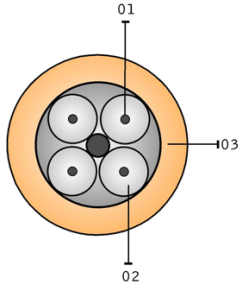
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# OPTRAL



## POF / IDF

### Plastic Fibre Cable (Up to 8 FO)



#### Cable Description

- 01. Plastic fibre optic 1 mm
- 02. Tight Buffer Coating (Ø 2.2 mm)
- 03. Outer Jacket

#### Applications

- Indoor
- Industrial control
- Short distances
- Optical sensors

#### Connectorization

- Compatible with connectors: F05, F07
- V-PIN simplex, V-PIN duplex (HP connectors)
- FSMA, ST, SCRJ

#### Options

- Jackets: LSZH / PUR - LSZH



#### Advantages

Totally dielectric / Flexible / Easy connectorization



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	SPECIFICATIONS			
Fibres	2	4	6	8
Identification Subcables	Colour Code <sup>1</sup>			
Strength members	Central GRP			
Outer jacket	PUR – Polyurethane			
Colour	Red			
Weight (Kg/Km)	52	54	76	103
Outer Ø (mm)	8.0	8.0	9.3	10.6
Tensile Load Perm / Inst (N)	200 / 300	200 / 300	200 / 300	400 / 700
Crush (N)	100 / 500			
Temperature Range	-40°C to +80°C			
Min. Bending Radius	10 x Outer Ø			

<sup>1</sup> Subcables Colour Code: Red – Green – Blue – Yellow – Orange – Grey – Brown – Violet.

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# OPTRAL



## POF / IDF-R Simplex Simplex Plastic Fibre Cable



### Cable description

- 01. Plastic fibre optic 1mm
- 02. Inner Jacket
- 03. Aramid
- 04. Ripcord
- 05. Outer Jacket

### Fire resistance

- Flame retardant
- Low smoke emission

### Connectorization

- Compatible with connectors:  
F05, F07  
V-PIN simplex (HP connector)  
FSMA, ST, SCRJ

### Advantages

Compact / Lightweight / Excellent mechanical resistance / Totally dielectric.

### Applications

- Indoor
- Industrial control
- Short distances
- Optical sensors

### Options

Jackets: LSZH / PUR



All technical specifications are subject to change without prior notice. Consult OPTRAL for the latest edition.



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LOW SMOKE EMISSION



HALOGEN FREE

	SPECIFICATIONS
<b>Fibre diameter (mm)</b>	1
<b>Inner jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Strength members</b>	Aramid yarns
<b>Outer jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Outer diameter (mm)</b>	3.6
<b>Weight (Kg/Km)</b>	16
<b>Max. Tensile load (Installation) (N)</b>	250
<b>Max. Tensile load (Permanent) (N)</b>	100
<b>Min. Bending radius (mm)</b>	50
<b>Temperature range</b>	-40°C to +80°C

### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794.

Fire tests according to: UNE-EN 50266 (IEC 60332-3) / UNE-EN 50267 (IEC 60754-1) / UNE-EN 50268 (IEC 61034-1/2).

<sup>1</sup>FRLS – Special PVC heavy metals free, low halogen and low smoke emission and flame retardant.

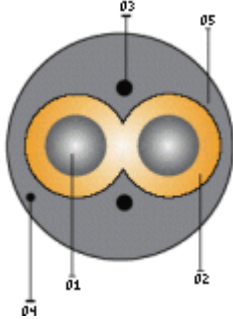
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# OPTRAL



## POF / IDF-R Duplex Duplex Plastic Fibre Cable



### Cable description

- 01. Plastic fibre optic 1 mm
- 02. Inner Jacket
- 03. Aramid
- 04. Ripcord
- 05. Outer Jacket

### Fire resistance

Flame retardant  
Low smoke emission

### Connectorization

Compatible with connectors:  
F05, F07  
V-PIN simplex, duplex (HP connectors)  
FSMA, ST, SCRJ

### Advantages

Compact / Lightweight / Excellent mechanical resistance / Totally dielectric

### Applications

Indoor  
Industrial control  
Short distances  
Optical sensors

### Options

Jackets: LSZH / PUR



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TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

	SPECIFICATIONS
<b>Fibre Diameter (mm)</b>	1
<b>Inner Jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Strength Members</b>	Aramid yarns
<b>Outer Jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Outer Diameter (mm)</b>	5.8
<b>Weight (Kg/Km)</b>	33
<b>Max. Installation Tensile Load (N)</b>	300
<b>Max. Permanent Tensile Load (N)</b>	100
<b>Min. Bending Radius (mm)</b>	70
<b>Temperature Range</b>	-40°C to +80°C

### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794.  
Fire tests according to: UNE-EN 50266 (IEC 60332-3) / UNE-EN 50267 (IEC 60754-1) / UNE-EN 50268 (IEC 61034-1/2).

<sup>1</sup> FRLS – Special PVC heavy metals free, low halogen and low smoke emission and flame retardant.

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