

**Cable description**

- 01. Tight Buffer Fibre (0.9 mm)
- 02. Aramid
- 03. Inner Jacket
- 04. Outer Jacket

**Fire resistance**

- Flame retardant
- Low smoke emission

**Applications**

- Indoor
- Direct connection to terminal equipments
- Based on DIN VDE 0888 Part 6

**Options**

- Jackets: LSZH
- Easy-Strip Buffer
- Special colour code

**Advantages**

Flexible / Resilient / Totally dielectric / Direct connectorization.



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

SPECIFICATIONS	
<b>Fibres</b>	2
<b>Strength members</b>	Aramid Yarns
<b>Inner jacket</b>	FRLS <sup>1</sup>
<b>Subcables diameter (mm)</b>	2.9 ± 0.1
<b>Outer jacket</b>	Thermoplastic FRLS <sup>1</sup>
<b>Colour</b>	Orange (MM62) / Blue (MM50) / Yellow (SM) <sup>2</sup>
<b>Weight (Kg/Km)</b>	27
<b>Outer Ø (mm)</b>	3.8 x 6.7 ± 0.2
<b>Tensile Load Perm / Inst (N)</b>	400 / 700
<b>Crush (N)</b>	750
<b>Temperature Range</b>	-5°C to +60°C
<b>Min. Bending Radius</b>	15 x Outer Ø
<b>Max. Length</b>	2000 m

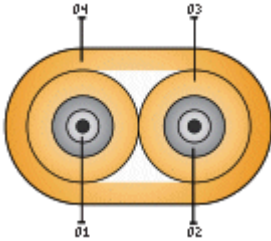
**Standards**

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).

Inner jacket colour: red, green.

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

<sup>2</sup> For singlemode fibre G.657 the jacket colour is ivory.



### Cable description

- 01. Tight Buffer Duplex (0.9 mm)
- 02. Aramid
- 03. Inner Jacket
- 04. Outer Jacket

### Fire resistance

- Flame retardant
- Halogen free
- Low smoke emission

### Applications

- Indoor
- Direct connection to terminal equipments
- Based on DIN VDE 0888 part 6

### Options

- Easy-Strip buffer
- Special colour code

### Advantages

Flexible / Resilient / Totally dielectric / Direct connectorization.



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	SPECIFICATIONS		
	Mini-FLAT-25	Mini-FLAT-21	Mini-FLAT-16
<b>Fibres</b>	2		
<b>Strength members</b>	Aramid Yarns		
<b>Inner jacket</b>	Thermoplastic LSZH <sup>1</sup>		
<b>Subcables Diameter (mm)</b>	2.5 ± 0.1	2.1 ± 0.1	1.6 ± 0.1
<b>Outer jacket</b>	LSZH <sup>1</sup>		
<b>Colour</b>	Orange (MM62) / Blue (MM50) / Yellow (SM) <sup>2</sup>		
<b>Weight (Kg/Km)</b>	23	16	11
<b>Outer Ø (mm)</b>	3.5 x 6.0 ± 0.1	2.9 x 5.0 ± 0.1	2.4 x 4.0 ± 0.1
<b>Tensile Load Perm / Inst (N)</b>	300 / 500	240 / 400	80 / 140
<b>Crush ( N )</b>	750	500	500
<b>Temperature Range</b>	-5°C to +60°C		
<b>Min. Bending Radius</b>	15 x Outer Ø		
<b>Max. Length</b>	2000 m		

### Standards

Environmental and mechanical tests according to EN 187000 and CEI 60794

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

Inner jacket colour: red, green.

<sup>1</sup> LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

<sup>2</sup> For singlemode fibre G.657 the jacket colour is ivory.