

Cable Description

- 01. Fibre optic 200/230-500
- 02. Tight buffer coating (Ø 2.2 mm)
- 03. Aramid yarns
- 04. Outer thermoplastic jacket

Fire resistance

- Flame retardant
- Low smoke emission

Applications

- Indoor
- Industrial control
- Lighting systems
- Industrial / medical sensors
- Low speed transmissions
- Short link distances

Options

- Jackets: LSZH
- Special colour code

Advantages

Compact / Flexible / Tough / Easy to strip (gel free) / Totally dielectric / Easy termination.



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



MOISTURE PROTECTED



TOTALLY DIELECTRIC



LOW SMOKE EMISSION



FLAME RETARDANT



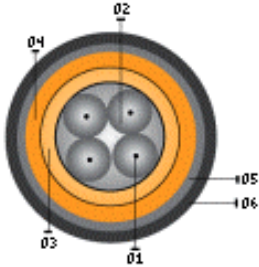
HIGH FLEXIBILITY

SPECIFICATIONS					
Fibres	2	4	6	8	12
Identification Subcables	Colour Code				
Strength members	Aramid Yarns				
Outer jacket	Thermoplastic – FRLS ¹				
Colour	Dark Grey				
Weight (Kg/Km)	56	68	86	106	133
Outer Ø (mm)	8.6 ± 0.3	8.6 ± 0.3	9.9 ± 0.5	11.2 ± 0.5	12.0 ± 0.5
Tensile Load (N)	650	650	650	800	800
Temperature Range	-5 °C to +60 °C				
Min. Bending Radius	20 x Outer Ø				
Maximum Length	2100 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).

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



Cable Description

- 01. Fibre Óptica PCF (0.5 mm)
- 02. Tight Buffer Coating (Ø 2.2 mm)
- 03. Aramid
- 04. Inner Jacket
- 05. Dielectric Armour
- 06. Outer Jacket

Fire resistance

- Flame retardant
- Low smoke emission

Applications

- Universal (Indoor / Outdoor)
- Industrial control
- Lighting systems
- Industrial / medical sensors
- Low speed transmissions and short distances

Rodent Protection

- Rodent resistant

Options

- Jackets: LSZH / PU
- Special colour code (TIA 598)

Advantages

Compact / Flexible / Tough / Easy to strip (gel free) / Totally dielectric / Easy termination / Rodent resistant.



TOTALLY DIELECTRIC



MOISTURE PROTECTED



HIGH FLEXIBILITY



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



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SPECIFICATIONS

	2	4	6	8	12
Fibres	2	4	6	8	12
Identification Subcables	Colour Code ¹				
Strength members	Aramid Yarns				
Inner jacket	Thermoplastic				
Armour	Fiberglass Braid				
Outer jacket	Thermoplastic – FRLS ²				
Colour	Dark Grey				
Weight (Kg/Km)	116	128	159	185	223
Outer Ø (mm)	11.2 ± 0.5	11.2 ± 0.5	12.7 ± 0.5	14.0 ± 0.5	15.0 ± 0.5
Tensile Load Perm / Inst (N)	850 / 1550			1000 / 1800	
Temperature Range	-20 °C to +70 °C				
Min. Bending Radius	20 x Outer Ø				
Maximum Length	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).

¹ Colour code: Blue, yellow, orange, grey, red, green, white, brown, violet, black, pink, turquoise.
² FRLS – Special PVC heavy metals free, low halogen and low smoke emission and flame retardant.