

Cable Description

- 01. Fibres Optics
- 02. Central Tube (Jelly filled)
- 03. Fiberglass Reinforcements - WB
- 04. Ripcord
- 05. Outer Jacket

Fire Resistance

- Flame retardant
- Halogen free
- Low smoke emission

Applications

Universal (Indoor / Outdoor)

Rodent protection

Rodent protected

Options

Strength Members: Aramid (KT Type)
Special colour code (TIA 598)

Advantages

Compact / Lightweight / Flexible / Tough / Resistant / Totally dielectric / Watertight / Reduced diameter / Rodent protected.



TOTALLY DIELECTRIC



MOISTURE PROTECTED



WATERTIGHT



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

SPECIFICATIONS

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Fibres	2 / 4 / 6 / 8 / 12	16 / 24
Ø Central Tube (mm)	3.2 ±0.2	4.2 ±0.2
Strength members	Fiberglass Reinforcements WB (Waterblocking)	
Outer jacket	Thermoplastic LSZH ¹	
Colour	Dark Grey	
Weight (Kg/Km)	53	60
Outer Ø (mm)	7.0 ±0.3	7.9 ±0.3
Tensile Load Perm / Inst (N)	1000 / 1800	
Crush (N)	1500	
Temperature Range	-30° C to +70° C	
Min. Bending Radius	20 x Outer Ø	
Maximum Length (m)	4000	2000

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).

Fibres colour code: Red, green, yellow, blue, white, violet, orange, black, grey, brown, pink, turquoise. With stripe: red, green, yellow, blue, white, violet, orange, natural, grey, brown, pink, turquoise.

¹ LSZH – Halogen free, low smoke and flame retardant thermoplastic compound.

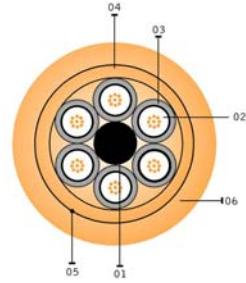
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OPTRAL

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Dielectric Multitube Cable (Up to 144 FO)



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

Cable Description

- 01. Central Element (GRP)
- 02. Fibre Optics
- 03. Loose Tube (Jelly Filled)
- 04. Fiberglass Reinforcements - WB
- 05. Ripcord
- 06. Outer Jacket

Fire resistance

- Flame retardant
- Halogen free
- Low smoke emission

Applications

Universal (Indoor / Outdoor)

Rodent protection

Rodent protected

Options

Strength Members = Aramid yarns (KT Type)
Special colour code (TIA 598)

Advantages

Compact / Tough / Resistant / Totally dielectric.



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SPECIFICATIONS

Fibre count	16	24	32	36	48	64	72	96	128	144
Fibres per Tube	4	6	8	6	12	8	12	12	8	12
Total Tubes	4	4	4	6	4	8	6	8	18	14
Active Tubes	4	4	4	6	4	8	6	8	16	12
Strength Members	Reinforced Fiberglass Yarns WB (Waterblocking)									
Compound	Thermoplastic LSZH ¹									
Colour	Dark Grey									
Weight (Kg/Km)	83	84	97	105	109	165	148	190	233	221
Outer Ø (mm)	9.3 ±0.5	9.3 ±0.5	10.2 ±0.5	10.5 ±0.5	11.0 ±0.5	13.2 ±0.5	12.6 ±0.5	14.3 ±0.5	16.7 ±0.5	17.0 ±0.5
Perm / Inst Tensile Load (N)	1000 / 1800					1500 / 2700				
Crush (N)	2000									
Maximum Length (m)	4200	4200	3100	4200	2100	3100	2100	2100	3100	2100
Temperature Range	-30° C to +70°C									
Min. Bending Radius	20 x Outer Ø									

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).

Fibres colour code: red, green, blue, yellow, grey, violet, brown, orange, white, pink, black and natural.

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