

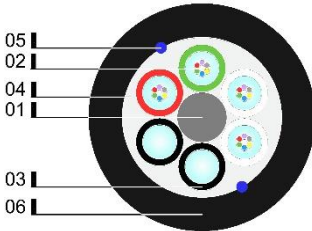
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# OPTRAL



# DT

## Dielectric Multitube Cable



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 performance

- Flame retardant (IEC 60332-1 / IEC 60332-3)
- Halogen free (IEC 60754-1/-2)
- Low smoke emission (IEC 61034-2)

### Advantages

Compact / Tough / Resistant / Totally dielectric.

### Applications

Universal (Indoor / Outdoor)

### Rodent protection

Rodent protected

### Options

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

### CPR Classification (Euroclass)

Reaction to Fire: Eca  
Declaration Code: DOP01050  
Available in Dca (DT – FTTH)



TOTALLY DIELECTRIC



MOISTURE PROTECTED



WATERTIGHT



ULTRAVIOLET RESISTANCE



RODENT PROTECTION



FLAME RETARDANT



LOW SMOKE EMISSION



HALOGEN FREE

### SPECIFICATIONS

<b>Fibre count</b>	2-12	16	24	32	36	48	64	72	96	128	144	192
<b>Fibres per Tube</b>	2-12	4	6	8	6	12	8	12	12	8	12	12
<b>Total Tubes</b>	4	4	4	4	6	4	8	6	8	18	12	18
<b>Active Tubes</b>	1	4	4	4	6	4	8	6	8	16	12	16
<b>Strength Members</b>	Reinforced Fibreglass Yarns WB (Waterblocking)											
<b>Outer Jacket</b>	LSZH <sup>1</sup> - Dark Grey											
<b>Weight (Kg/Km)</b>	76	76	76	89	97	102	154	137	178	217	200	222
<b>Outer Ø (mm<sup>±0.5</sup>)</b>	8.8	8.8	8.8	9.8	10.0	10.5	12.7	12.1	13.8	16.2	14.0	16.2
<b>Max. Tensile Load (N)</b>	1000 (Operation) / 1800 (Installation)						1500 (Operation) / 2700 (Installation)					
<b>Max. Crush (N/dm)</b>	2000 (IEC 60794-1-21 E3)											
<b>Max. Impact (J)</b>	5 (IEC 60794-1-21 E4)											
<b>Temperature Range</b>	-30°C to +70°C (Operating) / -10°C to +50°C (Installation) - (IEC 60794-1-22 F1)											
<b>Min. Bending Radius (mm)</b>	15 x Outer Ø (Operating) / 20 x Outer Ø (Installation) - (IEC 60794-1-21 E11)											
<b>Water tightness</b>	According (3m, 1m, 24h, Optical Core, IEC 60794-1-22 F5B)											

### Standards

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibres colour code: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise.

Tubes colour code: Red - Green - Natural... - Natural. Passive tubes colour Black.

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

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SPECIFICATIONS					
<b>Fibre count</b>	192	256	288	432	576
<b>Fibres per Tube</b>	12	16	24	24	24
<b>Total Tubes</b>	18	18	12	18	24 (9 inner layer + 15 outer layer)
<b>Active Tubes</b>	16	16	12	18	24 (9 inner layer + 15 outer layer)
<b>Strength Members</b>	Reinforced Fibreglass Yarns WB (Waterblocking)				
<b>Outer Jacket</b>	LSZH <sup>1</sup> - Dark Grey				
<b>Weight (Kg/Km)</b>	150	196	304	292	395
<b>Outer Ø (mm<sup>±0.5</sup>)</b>	12.3	14.2	17.4	17.8	20.4
<b>Max. Tensile Load (N)</b>	1500 (Operation) / 2700 (Installation) – (IEC 60794-1-21 E1)				
<b>Max. Crush (N/dm)</b>	2000 (IEC 60794-1-21 E3)				
<b>Max. Impact (J)</b>	5 (IEC 60794-1-21 E4)				
<b>Temperature Range</b>	-30°C to +70°C (Operating) / -10°C to +50°C (Installation) - (IEC 60794-1-22 F1)				
<b>Min. Bending Radius (mm)</b>	15 x Outer Ø (Operating) / 20 x Outer Ø (Installation) - (IEC 60794-1-21 E11)				
<b>Water tightness</b>	According (3m, 1m, 24h, Optical Core, IEC 60794-1-22 F5B)				

**Standards**

Mechanical and Environmental tests according to IEC 60794-1-21 and IEC 60794-1-22.

Fibres colour code: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise. With black ring: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black - Turquoise.

Tubes colour code: Red - Green - Natural... - Natural. Passive tubes colour Black.

Tubes colour code (576FO cable): **Inner layer (9 Tubes)** = Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White. **Outer layer (15 tubes)** = Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Black – Turquoise – Light Green – Red (with ring) – Green (with ring).

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