

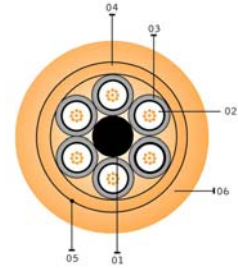
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# OPTRAL

DP



## 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

### Applications

Outdoor

### Rodent protection

Rodent protected

### Options

- Special colour code (TIA 598)
- Strength Members = Aramid (KP Type)
- Outer Jacket LSZH (Type DT):
  - Flame retardant
  - Halogen free
  - Low smoke emission

### Advantages

Compact / Tough / Resistant / Totally dielectric / Excellent resistance to friction / Suitable for "blown air" system.



### SPECIFICATIONS

	12	24	36	48	64	72	96	144
<b>Fibre Count</b>	12	24	36	48	64	72	96	144
<b>Fibres per Tube</b>	12	12	12	12	8	12	12	12
<b>Total Tubes</b>	6	6	6	6	8	6	8	12
<b>Active Tubes</b>	1	2	3	4	8	6	8	12
<b>Strength Members</b>	Reinforced Fiberglass Yarns WB (Waterblocking)							
<b>Compound</b>	Lineal Low Density Polyethylene							
<b>Colour</b>	Black							
<b>Weight (Kg/Km)</b>	74	76	78	80	107	83	112	173
<b>Outer Ø (mm)</b>	10.0 ±0.5	10.0 ±0.5	10.0 ±0.5	10.0 ±0.5	11.3 ±0.5	10.0 ±0.5	11.3 ±0.5	13.9 ±0.5
<b>Tensile Load Perm/ Inst (N)</b>	1000 / 1800						1500 / 2700	
<b>Crush (N)</b>	2000							
<b>Temperature Range</b>	-40 °C to +70 °C							
<b>Min. Bending Radius</b>	20 x Outer Ø							

### Standards

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

Fibres colour code: Red – Green – Blue – Yellow – Grey – Violet – Brown – Orange – White – Pink – Black and Natural.

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	FIBRES							
TUBE	12	24	36	48	64	72	96	144
Tube #1	Red	Red	Red	Red	Red	Red	Red	Red
Tube #2	F	Green	Green	Red	Red	Red	Red	Red
Tube #3	F	F	Blue	Green	Green	Green	Green	Red
Tube #4	F	F	F	Green	Green	Green	Green	Green
Tube #5	F	F	F	F	Blue	Blue	Blue	Green
Tube #6	F	F	F	F	Blue	Blue	Blue	Green
Tube #7					Yellow		Yellow	Blue
Tube #8					Yellow		Yellow	Blue
Tube #9								Blue
Tube #10								Yellow
Tube #11								Yellow
Tube #12								Yellow

F = Filler Natural or black

## Cable type DT (LSZH<sup>1</sup>)



Applications: Universal (Indoor / Outdoor)

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

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

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