

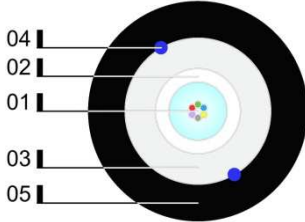
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# OPTRAL



## TENAX (DP)

### Dielectric Unitube Cable (Up to 24 Fo)



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

#### Cable Description

- 01. Fibre Optics
- 02. Central Tube (Jelly filled)
- 03. Strength Members
- 04. Ripcord
- 05. Outer Jacket

#### Application

Outdoor  
Aerial Installation

#### Rodent Protection

Rodent Protected

#### Options

Special colour code (TIA 598)

#### CPR Classification (Euroclass)

Reaction to Fire: Fca  
Declaration Code: DOP03100

#### Advantages

Compact / Lightweight / Flexible / Tough / Resistant / Watertight / Excellent mechanical resistance / Completely Dielectric / Small diameter / Excellent resistance to friction / Suitable for "air blowing" systems / Rodent protected / Aerial installation.

#### Aerial Installation Conditions

Wind (Km/h)	Ice Thickness (mm)	Span (m)
50	0	200
70	0	150
100	0	110
0	10	90
0	15	50
60	10	70

#### NESC Installation Conditions

	Span (m)
NESC Light	100
NESC Medium	60



TOTALLY DIELECTRIC

MOISTURE PROTECTED

WATERTIGHT

LOW FRICTION

ULTRAVIOLET RESISTANCE

RODENT PROTECTION

AERIAL

	SPECIFICATIONS	
Fibre Count	2 / 4 / 6 / 8 / 12	16 / 24
Central Tube Ø (mm)	3.5 ± 0.2	4.2 ± 0.2
Strength members	Fibreglass yarns WB (Waterblocking)	
Outer jacket	Black Polyethylene	
Weight (Kg/Km)	67	77
Outer Ø (mm)	8.5 ± 0.3	8.8 ± 0.3
Max. Tensile Load (N)	3000 (Operation) / 4000 (Installation) - (IEC 60794-1-21 E1)	
Max. Crush (N/10cm)	2000 (IEC 60794-1-21 E3)	
Temperature Range	-40 to +70°C (Operation and Storage) / -5 to +50°C (Installation)	
Min. Bending Radius (mm)	20 x Outer Ø (IEC 60794-1-21 E11)	
Max. Length (m)	4000	2000

#### 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/Natural. With black stripe: Red - Green - Blue - Yellow - Grey - Violet - Brown - Orange - White - Pink - Natural - Turquoise.

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