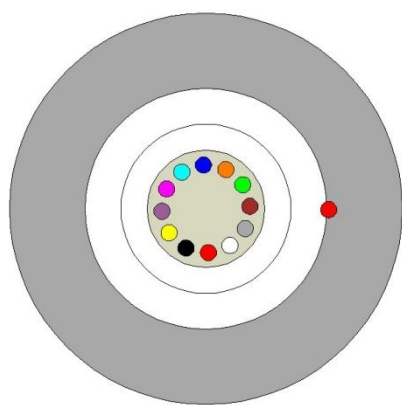


1F to 24F Single Jacket ALL Dielectric Uni-tube Cable PE (C-XXXX2KNXXGXXXX-BKX)

--LinkPro CABLE ONSTRUCTIONS

Description



- not to scale -

- **Uni-tube:** thermoplastic material, containing 24 fibres and filled with a suitable water tightness compound.
- **Peripheral Strength Elements:** water-blocking glass yarns.
- **Outer Sheath:** PE. 1 ripcord beneath.
- **Suitable for Duct and Indoor Installations**

Optical Fiber Characteristic

Fiber Type	After cabled max attenuation(dB/km)				Overfilled modal bandwidth(OFL)	Effective modal bandwidth	Minimum bending radius
	1310nm	1550nm	850nm	1300nm	850/1300nm (MHZ.km)	850/953nm (MHZ.km)	mm
G.652.D	0.4	0.3	-	-	-	-	16
G.657.A1	0.4	0.3	-	-	-	-	10
G.657.A2	0.4	0.3	-	-	-	-	7.5
G.657.B3	0.4	0.3	-	-	-	-	5
OM1	-	-	3.5	1.5	≥200/500	-	37.5
OM2	-	-	3.5	1.5	≥500/500	-	7.5
OM3	-	-	3.5	1.5	≥1500/500	≥2000	7.5
OM4	-	-	3.5	1.5	≥3500/500	≥4700	7.5
OM5	-	-	3.5	1.5	≥3500/500	≥4700/2470	7.5

Fiber Identification (IEC TR 63194)

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Purple	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue+b	Orange+b	Green+b	Brown+b	Gray+b	White+b	Red+b	Natural+b	Yellow+b	Purple+b	Pink+b	Aqua+b

Uni-tube Identification (IEC TR 63194)

Natural

Constructions and Technical Parameters

Items		Descriptions	
Fiber counts		1~12	13~24
Cable nominal Diameter(mm)		7.0	7.6
Minimum bending radius	Static(mm)	10×Cable diameter	
	Dynamic(mm)	20×Cable diameter	

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Short-term	1000N	IEC 60794-1-21 Method E1	fibre strain $\leq 0.6\%$, $\Delta\alpha$ reversible
Crush resistance	Short-term	1500N/10cm	IEC 60794-1-21 Method E3	$\Delta\alpha \leq 0.3$ dB
Temperature range	-30 °C to +70 °C		IEC 60794-1-22 Method F1	$\Delta\alpha \leq 0.3$ dB /km
Water Penetration	Water height: 1m Sample length: 3m Time: 24H		IEC 60794-1-22 Method F5B	No water leakage
* values for single-mode fibres, all optical measurements performed at 1550 nm.				

Environmental Temperature

Items	Value
Installation temperature	-10 °C to +60 °C
Operation temperature	-30 °C to +70 °C
Storage temperature	-40 °C to +70 °C

Identification

Unless otherwise specified, the cable sheath marking shall be as follows:

OPTICAL CABLE D/125 AAA ##F UNI TUBE UNARMOUR PE YYWWD xxxxM *****

- Ink Color: White
- D/125: is the optical fiber core size where OM1 will be printed 62.5/125, OM2, OM3, OM4, OM5 will be printed 50/125. ITU-T G.652.D, G.657.A1, G.657.A2 will be printed 9/125
- AAA: is the fiber Type OM1, OM2, OM3, OM4,OM5, G.652.D, G.657.A1 or G.657.A2
- ##F: is the optical fiber count 1, 2, 4, 8, 12, 16, or 24
- YYWWD: Year + Week + Day
- xxxxM: Sequential meter marking, Interval: 1m
- *****: Cable Reel No., Per Manufacturer or owner

Jacket Color

The outer sheath colour are black.

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4km with a tolerance of $\pm 5\%$.

Chemical Characteristics

Free of hazardous substances according to RoHS 2015/863/EU

Revision History

Rev.	Draft	Date	Check	Date	Approved	Date
1	Tina	2025.09.26	Rafael	2025.09.26	Martina	2025.09.26