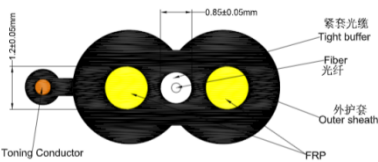


1Fiber Bow-type(Tight Buffer + Toneable) PE Cable LinkPro CABLE CONSTRUCTIONS

Description

The cable uses 900μm tight buffered fibers as optical transmission medium. Two parallel non-metallic reinforcement cores (FRP) are placed on both sides and toning conductor placed on one sides extruded into polyethylene sheath cable.



Structure Diagram

Features

- Tight buffered fiber with excellent strippability;
- Two parallel dielectric strength members that require no bonding, offering exceptional crush resistance;
- The toneable unit allows for easy location after installation.
- PE single jacket, Durable and easy to strip cable, providing superior protection against UV radiation, abrasion and other environmental factors.

Applications

- Used in access cable from outdoor to indoor in customer premises network;
- Used as access building cable in premises distribution system;
- Especially used in indoor or outdoor aerial access cabling.

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.657.A2	0.4	0.3	-	-	-	-	7.5

Constructions and Technical Parameters

Items		Descriptions
Fiber type		Corning G.657.A2
Toning Conductor		Copper wire 24 AWG
Tight buffer	Material	PVC
	Color	White
	Diameter(mm)	0.85±0.05
Strength member	Material	FRP
	Diameter(mm)	1.2
Out sheath	Material	PE(UV RESISTANT)
	Color	Black

Minimum bending radius	Static(mm)	15 x H
	Dynamic(mm)	25 x H
Cable diameter(mm) approx.		6.6±0.3 x 3.0±0.3
Cable weight(kg/km) approx.		23

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Long Term	200N	IEC 60794-1-21 Method E1	IEC 60794-3-20
	Short Term	600N		
Crush resistance	Long Term	1100N/10cm	IEC 60794-1-21 Method E3	IEC 60794-3-20
	Short Term	2200N/10cm		
Temperature range	-40 °C to +70 °C		IEC 60794-1-22 Method F1	IEC 60794-3-20
Other parameters: according to IEC 60794-3 and IEC 60794-1-21				

Environmental Temperature

Items	Value
Installation temperature	-30 °C to +70 °C
Operation temperature	-40 °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 9/125 G.657.A2 ClearCurve CORNING GLASS 1F PE YYWWD xxxxM *****

- YYWWD: Year + Week + Day
- xxxxM: Sequential meter marking, Interval: 1m
- *****: Cable Reel No., Per Manufacturer or owner

Packing

Plywood drums protection. During transportation, right tools should be used to avoid damaging the package and to handle with ease. Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage.

Delivery Length

Standard delivery length is 1km/drum. Other lengths available upon agreement.

Chemical Characteristics

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

Revision History

Rev.	Draft	Date	Check	Date	Approved	Date
1	Tina	2025.06.18	Jasson	2025.06.18	Leo	2025.06.18