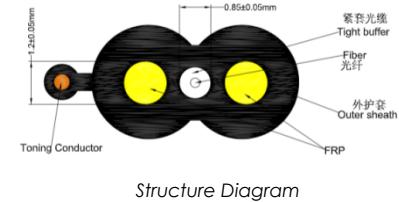


## 1Fiber Bow-type(Tight Buffer + Toneable) PE Cable LinkPro CABLE CONSTRUCTIONS

### Description

The cable uses 900 $\mu$ m 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.



### 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			
G.657.A2	0.4	0.3	-	-	850/1300nm (MHZ.km)	850/953nm (MHZ.km)	mm
							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 YYWWWD xxxxM \*\*\*\*\***

- YYWWWD: 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