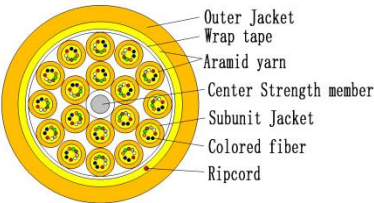


144F 12.9mm Micro (Multi-unit with 2.0mm Subunit)
Internal OFNR--LinkPro CABLE CONSTRUCTIONS

Description

144F fiber 250μm internal cable with aramid strength members, FRP and PVC Jacket.

144 fiber G.652.D/G.657A1 single mode fibers in 18 x 8 fiber subunits with aramid strength members and a 2.0mm PVC Jacket. The individually numbered subunits are stranded around a FRP rod (option to be Jacketed) central strength member with wrapping tape, ripcord and final PVC Jacket.



Features

- High-integrated colored bare fiber design
- Aramid yarns providing excellent tensile performance
- Anti-corrosion, flame-retardant and environment-friendly

Applications

- Ideal for internal inter-connect using MPO or MTP connectivity
- Data center cable
- Backbone distribution cable in a building

Optical Fiber Characteristic

Fiber Type	After Cabled max attenuation(dB/km)		Minimum bending radius (Fiber only)
	1310nm	1550nm	mm
Corning®SMF-28® Ultra	0.40	0.30	10

Fiber Identification (IEC TR 63194)

1	2	3	4	5	6	7	8
Blue	Orange	Green	Brown	Gray	White	Red	Black

Constructions and Technical Parameters

Items		Descriptions
Fiber counts		144(8F*18EL)
Inner sheath	Material	PVC
	Color	TBD
	Strength member	Aramid yarns
	Diameter(mm) approx.	2.0
Central strength member	Material	FRP+PVC Jacket
	Diameter(mm) approx.	2.0
Outer sheath	Material	PVC
	Color	TBD
	Wrapping tape	Nonwovens
	Ripcord	1
Minimum bending radius	Static	10×Cable diameter
	Dynamic	20×Cable diameter
Cable diameter(mm)		12.9 ± 0.8
Cable weight(kg/km) approx.		160
Packaging		Plywood drum

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Short-term	1320N	IEC 60794-1-21 Method E1	IEC 60794-2-20
	Long-term	440N		
Crush resistance	Short-term	1000N/10cm	IEC 60794-1-21 Method E3	IEC 60794-2-20
	Long-term	300N/10cm		
Temperature range	0 °C to +70 °C		IEC 60794-1-22 Method F1	IEC 60794-2-20
Other parameters: according to IEC 60794-2-20 and IEC 60794-1-21				

Environmental Temperature

Items	OFNR
Installation temperature	0 °C to +60 °C
Operation temperature	0 °C to +70 °C
Storage temperature	-40 °C to +70 °C

Fire Performance

Fire Test Description	Fire Test Specification	Requirement
UL 1666 Riser Flame Test	OFNR	PASS

Identification

Unless otherwise specified, the cable sheath marking shall be as follows:
OPTICAL CABLE 9/125 SMF-28 Ultra CORNING GLASS 144F OFNR E516857(UL) YYWWD xxxxM *****

- E516857(UL): Aachen UL Authentication No.
- YYWWD: Year + Week + Day
- xxxxM: Sequential meter marking, Interval: 1m
- *****: Cable Reel No., Per Manufacturer or owner

Jacket Color (Pantone Color)

Yellow
PT 116C

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 2km/drum. Other lengths available upon agreement.

Chemical Characteristics

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

Revision History

Revision	Date	Changes
1	2025.01.20	Initial release

Rev.	Draft	Date	Check	Date	Approved	Date
1	Tina	2025.01.20	Jasson	2025.01.20	Leo	2025.01.20