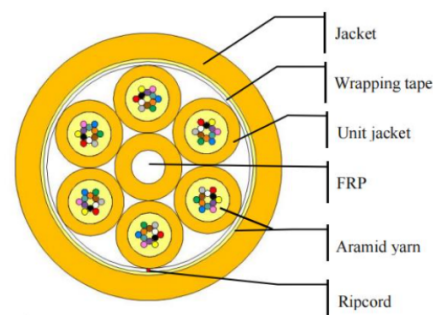


72F 8.9mm Micro(Multi-unit with 2.0mm Sub-unit)
LSZH Cable—LinkPro CABLE CONSTRUCTIONS

Description

The 72-core cable with an outer diameter of 8.9 mm contains 6 sub-units , FRP, Wrapping tapes, Ripcord and LSZH Outer Jacket. Each sub-unit with an outer diameter of 2.0mm contains 12 cores of 250um coated fiber and Aramid yarn.

Cable Structure



Features

- High-integrated colored bare fiber design
- Aramid yarns providing excellent tensile performance
- Stranded non-metallic strength member structure ensure the cable endure larger tensile strength
- Anti-corrosion, flame-retardant and environment-friend

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)				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

Buffer 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

Constructions and Technical Parameters

Items		Descriptions
Fiber counts		72
Inner sheath	Material	LSZH
	Color	TBD
	Strength member	Aramid yarn
	Diameter(mm) approx.	2.0
Central strength member	Material	FRP
	Diameter(mm) approx.	2.0 (FRP+Jacket)
Wrapping tape		Nonwovens
Out sheath	Material	LSZH
	Color	TBD
	Strength member	Aramid yarn
	Ripcord	1
Minimum bending radius	Static	10×Cable diameter
	Dynamic	20×Cable diameter
Cable diameter(mm)		8.9± 0.5
Cable weight(kg/km) approx.		65
Plywood drum dimensions(mm)		F900, B400, W540(Flange, Barrel, Width)

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Short-term	660N	IEC 60794-1-21 Method E1	IEC 60794-2-20
	Long-term	200N		
Crush resistance	Short-term	1000N/10cm	IEC 60794-1-21 Method E3	IEC 60794-2-20
	Long-term	300N/10cm		
Temperature range	-20 °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	Value
Installation temperature	-10 °C to +60 °C
Operation temperature	-20 °C to +70 °C
Storage temperature	-40 °C to +70 °C

Fire Performance

Fire Test Description	Fire Test Specification	Requirement
Smoke emission	IEC 61034-1 & 2	60% transmittance
Vertical Flame Propagation	IEC 60332-1-2	PASS
Toxicity (Halogen free)	IEC 60754-1	PASS
Acid gas emission	IEC 60754-2	Conductivity<10us/mm and pH > 4,3

Identification

Inner jacket printing

- 1#,2#,3#,4#,5#,6#
- Print Spacing10~11cm

Outer jacket printing

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

OPTICAL CABLE D/125 AAA 72F LSZH YYWWD xxxxM *****

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

Jacket Color(Pantone Color)

Blue	Orange	Green	Brown	Gray	White	Red	Black
RAL5015	RAL200	RAL6018	RAL800	RAL7000	RAL 1013	RAL3000	RAL 9005
Yellow	Purple	Pink	Auqa	Lime Green	Erika Violet		
RAL1021	RAL4005	RAL3015	RAL6027	Munsell 8GY 8.5/9.5	RAL 4003		

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 2011/65/EU