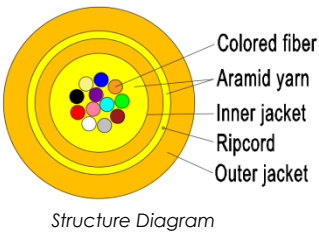


2 to 24 Fiber Micro(Double Jacket) LSZH Cable

LinkPro CABLE CONSTRUCTIONS

Description

The cable uses 250µm OM1, OM2, OM3, OM4, OM5 multimode or ITU-T G.652.D, ITU-T G.657.A1 and ITU-T G.657.A2 single mode Optical fibers as optical transmission medium, covered with aramid yarns strength member in a Low Smoke Zero Halogen inner Jacket, additional aramid non-metallic strength members and an outer LSZH Jacket.



Features

- High-integrated colored bare fiber design
- Aramid yarns providing excellent tensile performance
- Anti-corrosion, flame-retardant and environment-friendly
- Double LSZH Jacket for internal use

Applications

- Ideal for internal inter-connect using MPO or MTP connectivity
- Specialist cable for high density connectivity including Data centers

Optical Fiber Characteristic(Corning Fiber)

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	≥950	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

Note: +b = fiber with a black band ring mark

Constructions and Technical Parameters

Items		Descriptions
Fiber counts		2~24
Inner sheath	Material	LSZH
	Color	TBD
	Strength member	Aramid yarns
	Diameter(mm) approx.	2.95 ± 0.10
Outer sheath	Material	LSZH
	Color	TBD
	Strength member	Aramid yarns
	Diameter(mm)	4.50 ± 0.20
Ripcord		1
Minimum bending radius	Static	10×Cable diameter
	Dynamic	20×Cable diameter
Cable diameter(mm) approx.		4.5
Cable weight(kg/km) approx.		19

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Short-term	440N	IEC 60794-1-21 Method E1	IEC 60794-2-20
	Long-term	132N		
Crush resistance	Short-term	1000N/10cm	IEC 60794-1-21 Method E3	IEC 60794-2-20
	Long-term	350N/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 60332-3-24	PASS
Toxicity (Halogen free)	IEC 60754-1	PASS
Acid gas emission	IEC 60754-2	Conductivity<10us/mm and pH > 4,3

Identification

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

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

- 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 SMF-28 Ultra CORNING GLASS, G.657.A2 ClearCurve CORNING GLASS, G.657.B3 ClearCurve CORNING GLASS, OM1 CORNING GLASS, OM2 ClearCurve CORNING GLASS, OM3 ClearCurve CORNING GLASS, OM4 ClearCurve CORNING GLASS, OM5 ClearCurve CORNING GLASS
- ##F: is the optical fiber count 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(Pantone Color)

Blue	Orange	Green	Brown	Gray	White	Red	Black
RAL5015	RAL2003	PT 347U	PT 483U	PT 431U	RAL 9003	PT 206U	RAL 9005
Yellow	Purple	Pink	Aqua	Light Green	Lime Green	Erika Violet	
RAL 1021	PT 267U	PT 707U	PT 3245U	PT 361U	PT 381U	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 1km/drum. Other lengths available upon agreement.

Chemical Characteristics

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

Revision History

Revision	Date	Changes
1	2025.05.28	Initial release
2	2025.07.07	Update section view

Rev.	Draft	Date	Check	Date	Approved	Date
2	Tina	2025.07.07	Jasson	2025.07.07	Leo	2025.07.07