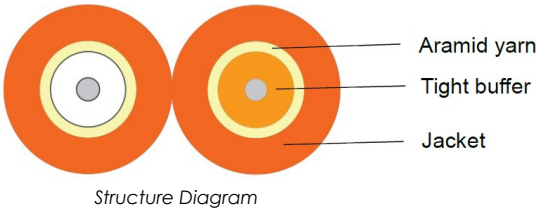


2.0mm, 3.0mm Zipcord Duplex LSZH(OFNR) Cable

LinkPro CABLE CONSTRUCTIONS

Description

The Zipcord Duplex cable uses two 600um or 900um tight buffered fibers as optical transmission medium, covered with aramid yarns strength member in a Low smoke zero halogen(LSZH) Jacket.



Features

- Choice of fiber types
- Choice of cable outer diameters
- Tight buffered fiber with excellent strippability
- Aramid yarns providing excellent tensile performance
- Anti-corrosion, flame-retardant and environment-friendly

Applications

- Optical fiber jumper or pigtail
- Indoor riser level and vertical cabling
- Interconnection between instruments and communication equipment

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

Constructions and Technical Parameters

Items		Descriptions	
Fiber counts		2	
Tight buffer fiber	Material	LSZH	
	Diameter(um)	900 ± 50	
	Color	TBD	
Strength member	Material	Aramid yarns	
Outer sheath	Material	LSZH	
	Color	TBD	
Minimum bending radius	Static	10×Cable diameter	
	Dynamic	20×Cable diameter	
Cable diameter(mm) approx.		1.95±0.1x4.0±0.15	2.9±0.1x5.9±0.15
Cable weight(kg/km) approx.		7.2	12.5
Plywood drum Dimensions(mm) approx.(Flange, Barrel, Width)		F400, B200, W330	

Mechanical and Environmental Characteristics

Items	Descriptions		Test Method	Requirements
Tensile performance	Short-term	220N	IEC 60794-1-21 Method E1	IEC 60794-2-10
	Long-term	66N		
Crush resistance	Short-term	350N/10cm	IEC 60794-1-21 Method E3	IEC 60794-2-10
	Long-term	100N/10cm		
Temperature range	-20 °C to +70 °C		IEC 60794-1-22 Method F1	IEC 60794-2-10
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
	UL 1666 Riser Flame Test	PASS
Toxicity (Halogen free)	IEC 60754-1	PASS
Acid gas emission	IEC 60754-2	Conductivity<10us/mm and pH > 4,3

Identification

Number		
Buffer Fiber	Blue or Yellow	White

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

OPTICAL CABLE D/125 AAA 2F LSZH OFNR E516857(UL) YYWWD xxxxM *****

- Ink: Printed on Blue or Yellow Side
- 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
PT 3005U	PT 1505U	PT 347U	PT 483U	PT 431U	RAL 9003	PT 206U	RAL 9005
Yellow	Purple	Pink	Aqua	Light Green	Lime Green	Erika Violet	
PT 107U	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 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	2023.03.27	Initial release
2	2025.08.25	Update template

Rev.	Draft	Date	Check	Date	Approved	Date
2	Tina	2025.08.25	Dave	2025.08.25	Martina	2025.08.25