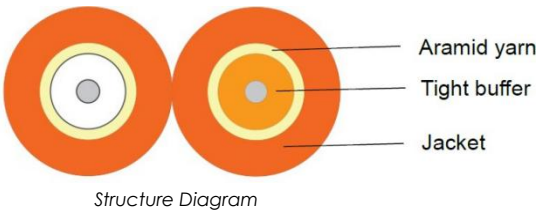


# 2.0mm, 3.0mm Zipcord Duplex OFNR Cable

## LinkPro CABLE CONSTRUCTIONS

### Description

The Zipcord Duplex cable uses two 900µm tight buffered fibers as optical transmission medium, covered with aramid yarns strength member in a Riser rated 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     | PVC               |                  |
|                                                            | Diameter(um) | 900 ± 50          |                  |
|                                                            | Color        | TBD               |                  |
| Strength member                                            | Material     | Aramid yarns      |                  |
| Out sheath                                                 | Material     | PVC               |                  |
|                                                            | 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 |
| Radial sheath thickness (mm) approx.                       |              | 0.35              | 0.45             |
| Cable weight(kg/km) approx.                                |              | 7.4               | 14.0             |
| 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                    | OFNR             |
|--------------------------|------------------|
| 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 |
|--------------------------|-------------------------|-------------|
| UL 1666 Riser Flame Test | OFNR                    | PASS        |

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 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
  - 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)

| Blue     | Orange   | Green   | Brown   | Gray        | White      | Red          | Black    |
|----------|----------|---------|---------|-------------|------------|--------------|----------|
| PT 2945C | PT 1645C | PT 347C | PT 478C | PT 430C     | RAL 9003   | PT 201C      | RAL 9005 |
| Yellow   | Purple   | Pink    | Aqua    | Light Green | Lime Green | Erika Violet |          |
| PT 116C  | PT 268C  | PT 183C | PT 325C | PT 363C     | PT 374C    | 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        | 2025.08.29 | Initial release |
|          |            |                 |

| Rev. | Draft | Date       | Check | Date       | Approved | Date       |
|------|-------|------------|-------|------------|----------|------------|
| 1    | Tina  | 2025.08.29 | Dave  | 2025.08.29 | Martina  | 2025.08.29 |