

**Product:** [GIPTDER](#) 



Indoor tight buffered patchcord LSZH jacket 2.8mm round DX MM OM3.

## Product Description

Indoor tight buffered patchcord with Low Smoke Zero Halogen outer jacket. 2.8mm round duplex MM OM3.

## Technical Specifications

### Product Overview

|                        |   |
|------------------------|---|
| Construction Type:     | Interconnect  |
| Environmental Space:   | Indoor (Not Riser or Plenum)  |
| Suitable Applications: | Flexible terminating leads such as pigtails, patchcords and test leads. Support all computer network applications such as FDDI, Gigabit Ethernet and ATM. Short distance applications for indoor use. |

### Construction

#### Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM3        | 2           |

|                     |                                     |
|---------------------|-------------------------------------|
| Fiber Color Coding: | TIA coding (Gxxxxx.T): Blue, Orange |
|---------------------|-------------------------------------|

#### Buffer Specification

| Fiber Type | Buffer Construction | Buffer Material                                 | Buffer Diameter |
|------------|---------------------|---|-----------------|
| OM3        | Tight               | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm          |

|                         |     |
|-------------------------|-----|
| Cable Core Water Tight: | Yes |
|-------------------------|-----|

|                    |           |
|--------------------|-----------|
| Bulk Cable Weight: | 7.3 kg/km |
|--------------------|-----------|

### Jacket Specifications

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
| Type of Armor:     | Non-Armored   |

### Outer Jacket Specifications

#### Outer Jacket

| Material  | Nominal Diameter | Ripcord |
|---|------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 2.8 mm           | No      |

|              |  |
|--------------|--|
| Table Notes: | Standard color: Orange. Available colors: Orange, Yellow, Turquoise, Erika Violet, Red, Blue, Green, Brown, Violet, Pink, Grey, White, Black, Lime Green |
|--------------|--|

### Optical Characteristics

|                              |           |
|------------------------------|-----------|
| Max. Attenuation at 1300 nm: | 0.9 dB/km |
| Max. Attenuation at 850 nm:  | 2.9 dB/km |

### Mechanical Characteristics

#### Mechanical Tests

| Description   | Tested Standard    | Requirement/Value | According to Family Specification |
|---|--------------------|-------------------|-----------------------------------|
| Cable Min. Bend Radius Operation (Long Term)          | IEC 60794-1-21-E11 | 60 mm             | IEC 60794-2-10                    |
| Cable Max. Tensile Strength Installation (Short Term) | IEC 60794-1-21-E1  | 300 N (67 lbf)    | IEC 60794-2-10                    |
| Cable Max. Tensile Strength Operation (Long Term)     | IEC 60794-1-21-E1  | 100 N (22 lbf)    | IEC 60794-2-10                    |

|   |                   |        |                |
|---|-------------------|--------|----------------|
| Cable Max. Crush Resistance Installation (Short Term) | IEC 60794-1-21-E3 | 5 kN/m | IEC 60794-2-10 |
|---|-------------------|--------|----------------|

## Temperature Range

|                                 |                  |
|---------------------------------|------------------|
| Operating Temperature Range:    | -40 °C to +70 °C |
| Installation Temperature Range: | -15 °C to +50 °C |
| Storage Temperature Range:      | -40 °C to +70 °C |

## Standards

|  |               |
|--|---------------|
| UL Rating/Flame Test:                                      | Non-UL Rated  |
| IEC Flammability:  | IEC 60332-1-2 |
| Reaction to Fire - Bundle Flame Test:                      | IEC 60332-1-2 |
| IEC 60754-1 - Halogen Amount:                              | Zero          |
| IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity: | 10 µS/mm      |
| IEC 60754-2 - Halogen Acid Gas Amount - Min. pH:           | 4.3           |
| IEC 61034-2 - Smoke Density Min. Transmittance:            | 60%           |
| REACH:   | Compliant     |
| ISO/IEC Compliance:  | IEC 60794-1-1 |
| EU Directive 2011/65/EU (RoHS 2):                          | Compliant     |
| UV/ Sunlight Protection:                                   | Yes           |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.82 Revision Date: 04-10-2024 |
|----------------------|---|

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