

# Basic 2.0 mm Single-mode Patch Cord, LSZH, CPR Dca SMF-28® Ultra OS2, LC UPC Duplex to LC UPC Duplex

CORNING

**Part Number:**  
**F040402G2Z2000**

Cable assemblies are a basic component for any network infrastructure projects you may have. The performance of our patch cords and pigtails comply with the optical and mechanical requirements of the industry. They are available in 1- and 2-fibre combinations. Corning's pre-terminated assemblies use only high-quality Corning optical fibres to ensure total performance quality.

## Features and Benefits

### Global operations

Worldwide manufacturing facilities and end-to-end vertical integration across the entire process ensure reliable supply and mitigate trade barriers or supply disruptions

### Flexible design options

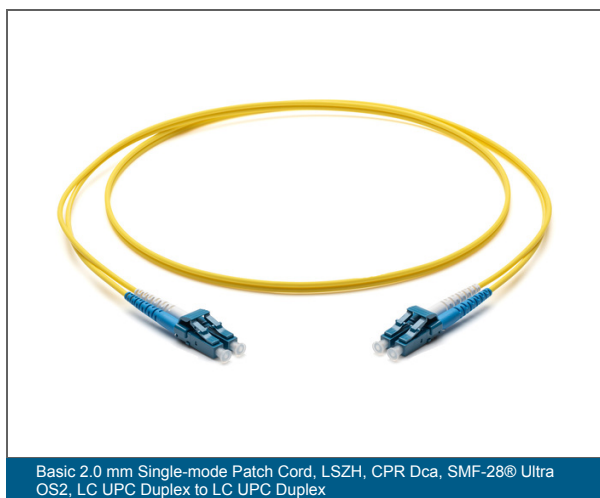
Choice of materials for strength elements and fibre properties dependent on application requirements

### Superior Performance Testing

Every termination is tested to ensure the highest in network performance

### State-Of-The-Art Manufacturing Processes

Corning proprietary manufacturing processes and advanced technology result in unsurpassed product consistency



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## Specifications

### General Specifications

|                     |                   |
|---------------------|-------------------|
| Fibre category      | Single-mode (OS2) |
| Product category    | Core product      |
| Cable assembly type | Patch cords       |
| Environment         | Indoor            |
| Application         | LAN, IBN          |
| Cable Type          | Zipcord           |

### Standards

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Reaction to Fire | Dca                                                       |
| RoHS             | Free of hazardous substances according to RoHS 2011/65/EU |
| Intermateability | IEC 61754                                                 |

### Environmental Conditions

|                                 |                 |
|---------------------------------|-----------------|
| Temperature range, installation | -20 °C to 70 °C |
| Temperature range, operation    | -20 °C to 70 °C |
| Temperature range, storage      | -20 °C to 70 °C |

### Design

|                       |                         |
|-----------------------|-------------------------|
| Fibre count           | 2                       |
| Outer jacket material | LSZH/FRNC               |
| Outer jacket colour   | Yellow                  |
| Polarity              | Crossed, TIA-568 Type-B |
| Fibre Type            | Single-mode             |
| Colour                | Yellow                  |

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## Mechanical Characteristics

|                                   |              |
|-----------------------------------|--------------|
| Nominal outer diameter            | 2 mm         |
| Max. tensile strength, short-term | 300 N        |
| Max. tensile strength, long-term  | 150 N        |
| Crush resistance                  | 1000 N/10 cm |
| Min. bend radius installation     | 15 mm        |
| Min. bend radius operation        | 7.5 mm       |

## Specifications - Connector A

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Polish                          | UPC                                     |
| Insertion loss, max.            | 0.25 dB                                 |
| Tensile strength jacketed cable | 50 N                                    |
| Durability                      | ≤ 0.2 dB change, 500 rematings, FOTP-21 |
| Boot colour                     | Blue / white                            |
| Connector type                  | LC UPC Duplex                           |
| Ferrule material                | Ceramic                                 |
| Housing colour                  | Blue                                    |
| Housing material                | Ceramic                                 |
| Boot type                       | Duplex                                  |
| Reflectance                     | ≤ -45 dB                                |

## Specifications - Connector B

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Polish                          | UPC                                     |
| Insertion loss, max.            | 0.25 dB                                 |
| Tensile strength jacketed cable | 50 N                                    |
| Durability                      | ≤ 0.2 dB change, 500 rematings, FOTP-21 |
| Boot colour                     | Blue / white                            |
| Connector type                  | LC UPC Duplex                           |
| Ferrule material                | Ceramic                                 |

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UPC Duplex



| Specifications - Connector B |          |
|------------------------------|----------|
| Housing colour               | Blue     |
| Housing material             | Ceramic  |
| Boot type                    | Duplex   |
| Reflectance                  | ≤ -45 dB |







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