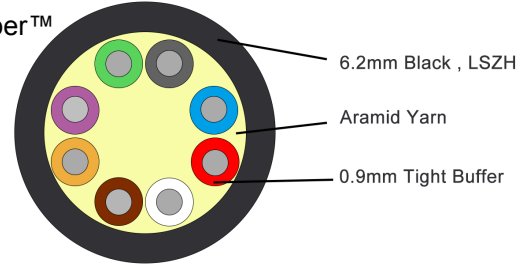


**SCP PART#: EF-OM3LSB2-8DIST-BK**

**Description:**

8 Strand Tight Buffered Distribution OM3 LSZH B2ca - SCP-EasyFiber™ w/Corning® ClearCurve® - 100G Multimode OM3 50/125, 2.0mm, LSZH EN50575 B2ca-s1a,d0,a1 Indoor/Outdoor UV, Black Jacket, 656ft/200m Reel in Box



**Regulatory:**

EU RoHS 2011/65 EU Compliant  
IEC 60791-2-10 Type A1 - 7.5mm Macrobend Radius OM3

**Cable Technical Parameters (Meet IEC 60794-2):**

|                               |                           |                                                  |
|-------------------------------|---------------------------|--------------------------------------------------|
| Fiber                         | Count                     | 8                                                |
|                               | Type                      | Corning Clear Curve® OM3                         |
| Cable                         | OD(mm)                    | 6.2±0.5                                          |
|                               | Wall Thickness            | 0.9±0.1                                          |
|                               | Material                  | UL PVC - OFNR                                    |
|                               | Color                     | AQUA – RAL 9004                                  |
| Buffer                        | OD(um)                    | 900±50 um                                        |
|                               | Material                  | PVC-OFNR                                         |
|                               | Color                     | Blue/Orange/Green/Brown<br>Grey/White/Red/Purple |
| Nominal weight(kg/km)         |                           | 33                                               |
| Max.tensile Strength(N)       | Short-term                | 400                                              |
|                               | Long-term                 | 130                                              |
| Min.Bending Radius(mm)        | Dynamic                   | 20D                                              |
|                               | Static                    | 10D                                              |
| Max.Crush Resistance(N/100mm) | Short-term                | 300N/100mm                                       |
|                               | Long-term                 | 1000N/100mm                                      |
| Cable attenuation             | 850nm                     | ≤3.5dB/km                                        |
|                               | 1300nm                    | ≤1.5dB/km                                        |
| Strength Members              |                           | Aramid yarn                                      |
| Environmental Protection      |                           | RoHS COMPLIANT                                   |
| Temperature range             | Storage or transportation | -20~70°C                                         |
|                               | Operation                 | -20~60°C                                         |
|                               | Installation              | -20~60°C                                         |

## Optical Characteristics:

Corning Clear Curve® OM3 Multimode fiber

| Characteristics                      | Conditions       | Specified Values | Units                    |
|--------------------------------------|------------------|------------------|--------------------------|
| Geometrical characteristics          |                  |                  |                          |
| Core diameter                        |                  | 50±2.5           | um                       |
| Core non-circularity                 |                  | ≤5               | %                        |
| Cladding diameter                    |                  | 125.0±1.0        | um                       |
| Cladding non-circularity             |                  | ≤1.5             | %                        |
| Coating diameter                     |                  | 242±5            | um                       |
| Coating/cladding concentricity error |                  | <12              | um                       |
| Core/cladding concentricity error    |                  | ≤1.0             | um                       |
| Optical characteristics              |                  |                  |                          |
| Attenuation                          | 850nm            | 2.3              | dB/km                    |
|                                      | 1300nm           | 0.6              | dB/km                    |
| Overfilled modal bandwidth           | 850nm            | 1500             | MHz*km                   |
|                                      | 1300nm           | 500              | MHz*km                   |
| Effective modal bandwidth@850nm      |                  | 2000             | MHz*km                   |
| Application support distance on      |                  |                  |                          |
| 10 gigabit ethernet S 850nm          |                  | 300              | m                        |
| 1 gigabit ethernet SX 850nm          |                  | 1000             | m                        |
| 40 & 100 gigabit ethernet S 850nm    |                  | 140              | m                        |
| Numerical Aperture                   |                  | 0.2±0.015        |                          |
| Group index of refraction            | 850nm            | 1.482            |                          |
|                                      | 1300nm           | 1.477            |                          |
| Zero dispersion wavelength           |                  | 1295~1315        |                          |
| Zero dispersion slope                | 1295nm≤λ0≤1315nm | ≤0.101           | ps/(nm <sup>2</sup> *km) |
| Macro bending induced loss           | 850nm            | ≤0.05            | dB                       |
| 100 Turns @37.5mm Radius             | 1300nm           | ≤0.15            | dB                       |
| 2 turns @15mm Radius                 | 850nm            | ≤0.1             | dB                       |
|                                      | 1300nm           | ≤0.3             | dB                       |
| 2 turns @7.5mm Radius                | 850nm            | ≤0.2             | dB                       |
|                                      | 1300nm           | ≤0.5             | dB                       |
| Environmental characteristics        |                  |                  |                          |
| Temperature cycling                  | -60°C to +85°C   | ≤0.10            | dB/km                    |
| Temperature-humidity cycling         | -10°C to +85°C   | ≤0.10            | dB/km                    |
| Water immersion                      | 23°C, 30 days    | ≤0.20            | dB/km                    |

## Cable Sheath Marking:

STRUCTURED CABLE PRODUCTS --- EF-OM3LSB2-8DIST --- 8 Strand OM3 Ultra Bendable  
 SCP-EASYFIBER™ w/ Corning® Clearcurve® OM3 50/125 Distribution LSZH EN50575  
 B2ca-s1a,d0,a1 RoHS \*\*\*\*M MMY