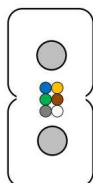
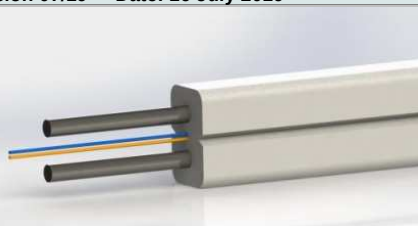




**Technical Specification**  
**LSOH FO Drop Installation Cable**  
**Part Number: DA2-00xc0-nn**  
**Revision 07/19 Date: 16 July 2019**



Color coded G.657.A2 single mode optical fibers are embedded with two metallic strength-members in an oval shaped UV-Resistant FR-LSOH jacket. The cable is suitable for Drop applications.

### Optical Fibers properties

|                                   |                                                                        |                                     |                                     |
|-----------------------------------|------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Optical fibers                    | 9/125 $\mu$ m ITU-T G.657.A2 Bend-insensitive Category A2 (MBR: 7.5mm) |                                     |                                     |
| Fibers manufacturer               | OFS                                                                    | Routine tests of optical fiber      |                                     |
| Core diameter- MFD @1310nm        | 8.6 $\pm$ 0.4 $\mu$ m                                                  | IEC 60793-1-45                      |                                     |
| Clad diameter                     | 125 $\pm$ 1.0 $\mu$ m                                                  | IEC 60793-1-20                      |                                     |
| Cladding non-circularity          | 1% max.                                                                | IEC 60793-1-20                      |                                     |
| Core/Cladding concentricity error | 0.5 $\mu$ m max.                                                       | IEC 60793-1-20                      |                                     |
| Zero dispersion wavelength        | 1300~1324 nm                                                           | IEC 60793-1-44                      |                                     |
| Zero dispersion slope             | $\leq$ 0.092 ps/nm <sup>2</sup> ·km                                    | IEC 60793-1-44                      |                                     |
| Cable cutoff wavelength           | 1260 nm max.                                                           | IEC 60793-1-44                      |                                     |
| Max.attenuation@1310nm            | 0.40 dB/km                                                             | IEC 60793-1-40                      |                                     |
| Max.attenuation@1550nm            | 0.30 dB/km                                                             | IEC 60793-1-40                      |                                     |
| Proof test level                  | $\geq$ 1.05%                                                           |                                     |                                     |
| Macro bending loss@1550 nm        | 10 turns $\Phi$ 30 mm $\leq$ 0.03 dB                                   | 1 turns $\Phi$ 20 mm $\leq$ 0.10 dB | 1 turns $\Phi$ 15 mm $\leq$ 0.50 dB |
| Macro bending loss@ 1625 nm       | 10 turns $\Phi$ 30 mm $\leq$ 0.10 dB                                   | 1 turn $\Phi$ 20 mm $\leq$ 0.20 dB  | 1 turns $\Phi$ 15 mm $\leq$ 1.0 dB  |

### Cable Construction

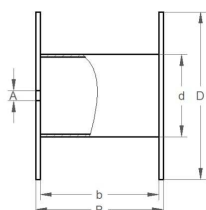
|                          |                                                                                                   |  |  |
|--------------------------|---------------------------------------------------------------------------------------------------|--|--|
| Total number of fibers   | 2, 4 or 6 (see table below)                                                                       |  |  |
| Fibers Color code        | Blue, Orange, Green, Brown, Gray, White                                                           |  |  |
| Strength members         | 2 x 0.5 $\pm$ 0.1 mm steel rods, laid in parallel on the two sides of the fibers                  |  |  |
| Rip-cord                 | None                                                                                              |  |  |
| Water blocking           | None                                                                                              |  |  |
| Outer jacket             | Low friction, UV-resistance flame retardent LSZH compound                                         |  |  |
| Overall diameter         | 2.0 $\pm$ 0.2 x 3.0 $\pm$ 0.2                                                                     |  |  |
| Jacket color             | White, RAL 9003 or Black RAL 9005 (See table below for specific P/Ns)                             |  |  |
| Surface marking          | HCS DA2-00xc0 [Month, Year] FO Drop Cable NxG.657.A2 SM CE 2011/65/EU (RoHS-2) [Meter Mark] METER |  |  |
| Surface marking - notes: | x - fiber count, c - jacket color, N - fiber count                                                |  |  |

| Physical Properties               | Value                                                   | Test Method      |
|-----------------------------------|---------------------------------------------------------|------------------|
| Tensile load                      | 230N max.                                               | IEC 60794-1-2 E1 |
| Crush resistance                  | 480N/10cm                                               | IEC 60794-1-2 E3 |
| Flame tests                       | IEC 60332-1 (Fire), IEC 60754 (gas) & IEC 61034 (smoke) |                  |
| Min. bend radius for installation | 20XOD                                                   |                  |
| Min. bend radius for operation    | 10XOD                                                   |                  |
| Storage Temperature range         | -20 to +60°C                                            | IEC 60794-1-2 F1 |
| Installation Temperature range    | -10 to +60°C                                            | IEC 60794-1-2 F1 |
| Operating Temperature range       | -20 to +60°C                                            | IEC 60794-1-2 F1 |
| Cable weight                      | 10 $\pm$ 1.5 kg/km                                      |                  |

### Cable Packaging & Ordering information

| P/N          | Fiber count | Reel Length (meter) | Jacket color |
|--------------|-------------|---------------------|--------------|
| DA2-00210-nn | 2           | 500/1000/2000       | Black        |
| DA2-00220-nn | 2           | 500/1000/2000       | White        |
| DA2-00410-nn | 4           | 500/1000/2000       | Black        |
| DA2-00420-nn | 4           | 500/1000/2000       | White        |
| DA2-00610-nn | 6           | 500/1000/2000       | Black        |
| DA2-00620-nn | 6           | 500/1000/2000       | White        |

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| Box dimensions           | 36(B)x15(d)x26.5(D) mm (including seal plate thickness) |
| Package type             | Reel in a box. Brown cardboard box.                     |
| Package weight $\pm$ 10% | 6.0 kg/500m, 12.0 kg/1000m, 24 kg/2000m                 |



This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)