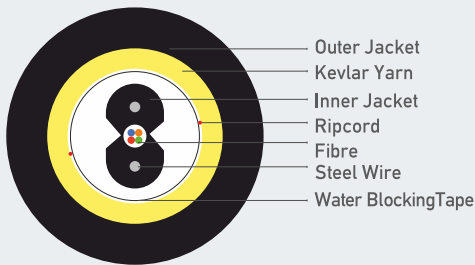


# FIBRE OPTIC DROP CABLE IN/OUT

In/Out round drop cable is for fibre to the Home (FTTH) application. The cable is constructed with single-mode fibres protected by two strength members made of Steel Wire and LSZH/PE outer jackets for ultraviolet light protection and external use.

It is very light in construction and easy to install, generally used for connecting the Main distribution frame to consolidation point at home, apartment, or offices. Industry-standard connectors can be used for direct termination.



## COMPLIANCE

ITU-T G652.D/G657.A1/G657.A2 OS2  
 ISO/IEC 11801, ISO/IEC 24702  
 ANSI/TIA/EIA 568.3-D  
 ROHS compliant Directive 2002/95/EC  
 LSZH: IEC-60332-1-2, IEC-60754-1/2, IEC-61034-1/2

## CONSTRUCTION,MECHANICAL & ENVIRONMENTAL CHARECTRICTICS

| Description              |       | Specification  |
|--------------------------|-------|--|
| Fiber Count              |       | 1-4  |
| Reinforcement            |       | Kevlar Yarn  |
| Strength member diameter |       | 0.45mm   |
| Inner Cable Diameter     |       | 3.0 x 2.0 ± 0.1 mm   |
| Outer Cable Diameter     |       | 6.5 ± 0.5 mm   |
| Sheath Material          |       | Standard: LSZH Optional: PE                                      |
| Fibre type               |       | 9/125 [G652.D] OS2<br>9/125 [G657.A1] OS2<br>9/125 [G657.A2] OS2 |
| Max Tensile Load         |       | 1000N  |
| Crush Load (N/100mm)     | Long  | 1000N  |
|                          | Short | 2000N  |
| Operating Temperature    |       | -10 °C - +70 °C  |
| Installation Temperature |       | -10 °C - +70 °C  |
| Storage Temperature      |       | -40°C - +60°C  |
| Cable Weight (Approx)    |       | 40 Kg / km   |

# FIBRE OPTIC DROP CABLE IN/OUT

## TRANSMISSION CHARACTERISTICS

| Characteristics            | Condition                   | Value                         |
|----------------------------|-----------------------------|-------------------------------|
| Attenuation                | @ 1310 nm                   | ≤0.40 db/km                   |
|                            | @ 1550 nm                   | ≤0.30 db/km                   |
| Macro bending loss         | Ø 30 nm@10 turns at 1550 nm | ≤0.50 db                      |
| Chromatic dispersion       | @ 1310 nm                   | ≤3.5 ps/nm.km                 |
|                            | @ 1550 nm                   | ≤18 ps/nm.km                  |
| Cut-off wavelength         |                             | ≤1260 nm                      |
| Zero dispersion slope      |                             | ≤0.092 ps/nm <sup>2</sup> .km |
| Zero dispersion wavelength |                             | 1300-1324 nm                  |

## ORDERING INFORMATION

| Part Number     | Description  |
|-----------------|--|
| 4017-200020S2CL | 02 Core SM OS2 G.652D IN/OUT Fibre Optic Drop Cable LSZH               |
| 4017-200040S2CL | 04 Core SM OS2 G.652D IN/OUT Fibre Optic Drop Cable LSZH               |
| 4017-200027A2CL | 02 Core SM OS2 G.657A2 IN/OUT Fibre Optic Drop Cable LSZH              |
| 4017-200047A2CL | 04 Core SM OS2 G.657A2 IN/OUT Fibre Optic Drop Cable LSZH              |
| 4017-U00027A1CL | 02 Core SM OS2 G657.A1 IN/OUT Fibre Optic Drop Cable UV Resistant LSZH |
| 4017-U00027A2CL | 02 Core SM OS2 G657.A2 IN/OUT Fibre Optic Drop Cable UV Resistant LSZH |

CL: BK(Black)