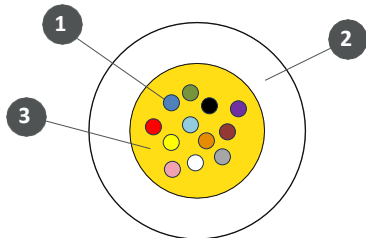


MDU Discreet Corridor Cable Assembly 12F G657B3 2mm – Bare End Cca White



| LEGEND | |
|--------|--------------|
| 1 | Fibre |
| 2 | Outer sheath |
| 3 | Aramid yarn |


The Telenco® single sheathed corridor cable is a suitable solution enabling simple, fast and reliable install in an Multi Dwelling Units.

Thanks to its FR-LSZH outer sheath and water blocking aramid yarns, this solution can be suitable for both indoor and outdoor applications

FEATURES & BENEFITS

- Enables simple, fast and reliable outdoor and indoor installation
- Compliant with CPR Cca
- Small sized, low bending loss

CABLE CONSTRUCTION

| | |
|-------------------|---|
| Optical fibre | Compliant with G.657B3 ITU recommendations |
| Fibre count | 4,8 and 12FO |
| Fibre colour code | 1.Blue, 2.Orange, 3.Green, 4.Red, 5.Grey, 6.Yellow, 7.Brown, 8.Violet, 9.Black, 10.White, 11.Pink, 12.Turquoise |
| Strength member | Aramid yarns |
| Outer sheath | Material: FR LSZH Color: White Diameter: 2.0 +/-0.1mm |
| Weight | Approx. 3.5 kg/km |
| Cable marking | Cca s1b – d1 – a2 - XXXXXX m WW/YY: Week / Year xFO : Number of fibres  : Laser pictogram and Telephone pictogram XXXXXXm: Incremental produced length of one type of cable Ink color: Black or White |

MECHANICAL AND ENVIRONMENTAL PERFORMANCES

| Characteristics | Standards | Values |
|---------------------------|----------------------------|---|
| Maximum Allowable Tension | IEC 60794-1-2 - Method 1 | Long term 35N, Short term 75N |
| Min. Bend radius | IEC 60794-1-2 - Method 11 | Dynamic 30D, Static 15D |
| Crush | IEC 60794-1-2-- Method 3 | Long term 80N/10cm, Short term 150N/10cm |
| Temperature Cycling | IEC 60794-1-2 -- Method F1 | Installation : -10°C + 65°C Operation : -40°C + 70°C Storage : -40°C + 70°C |
| Fire behaviour | EN 50575 | CPR B2ca |

FIBRE CHARACTERISTICS

| GEOMETRICAL PROPERTIES | |
|--------------------------------------|---------------|
| Cladding diameter | 125µm ± 0.7µm |
| Cladding non circularity | ≤0.7% |
| Core Cladding Concentricity Error | ≤0.5µm |
| Coating diameter | 235µm - 245µm |
| Coating-Cladding Concentricity Error | ≤12µm |
| Tensile proof test | ≥100kpsi |

| MODE FIELD DIAMETER | |
|----------------------|--------------|
| at 1310 nm | 8.2 - 9.0µm |
| at 1550 nm (typical) | 9.1 - 10.1µm |

| MACROBENDING ATTENUATION | | |
|--|---------|---------|
| Deployment Condition Wavelength Induced Attenuation | 1550nm | 1625nm |
| 1 turn on a 10mm radius mandrel | ≤0.03dB | ≤0.10dB |
| 1 turn on a 7.5mm radius mandrel | ≤0.08dB | ≤0.25dB |
| 1 turn on a 5mm radius mandrel | ≤0.15dB | ≤0.45dB |

| WAVELENGTH (nm) | CABLED MAX ATTENUATION (dB/km) |
|-----------------|--------------------------------|
| 1310 | ≤0.35 |
| 1550 | ≤0.21 |
| 1625 | ≤0.23 |

| CHROMATIC DISPERSION | |
|--|------------------------------|
| Zero Dispersion Wavelength (λ ₀) | 1302-1324nm |
| Zero Dispersion Slope (S ₀) | ≤0.092ps/nm ² .km |
| Cut-off Wavelength (λ _{CC}) | ≤1260nm |

| POLARIZATION MODE DISPERSION (PMD)* | |
|-------------------------------------|-------------|
| Fibre PMD Link Design Value | <0.06ps/√km |
| Maximum Individual Fibre | <0.1ps/√km |

(* according IEC 60794-3, method 1, m=20, Q=0.01%)