

FTTx Indoor Drop Cable Cca

1 fiber G657B3 TIA598

Features

- ITU-T G.657B3 Bend Insensitive Fibre
- Tight Buffered
- Small cable outer diameter
- Aramid yarn High tensile strength
- Compliant to Cca
- Compliant to directive 2002/95/EC (RoHS)

Application

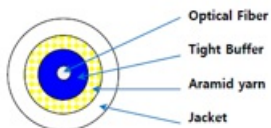
The Indoor drop cable is mainly used for FTTx applications but can also be used for cross-connect applications in nodes.

Using bend resistant G657B3 compliant fibers enables the cable to be installed directly on walls, floorboards and similar. In addition, the cable can also be pulled into ducts and conduits.

Design

The cable has a flame retardant jacket. Aramide yarn is used for increased pull strength. The fibers are tight protected. The cable is CPR rated to Cca.

Product Information



- 1 Optical fiber
- 2 Tight buffer
- 3 Strength member
- 4 Jacket

Technical Information

| | |
|---------------------------------------|-------------------------------|
| Product Color | White |
| Temperature, Operation [°C] | -20 to +70 |
| Temperature, Storage [°C] | -15 to +50 |
| Temperature, Installation [°C] | -20 to +70 |
| Reaction to Fire | Cca -s1a, d0 -a1, IEC 60332-1 |
| Fiber Type | G657B3 |
| Attenuation @Wavelength [nm] | 1310/1550 |
| Maximum Attenuation [dB/km] | 0.4/0.3 |

Conformance

Tensile, short term - IEC 60794-1-21, E1
 Tensile, long term - IEC 60794-1-21, E1
 Abrasion, cable sheath - IEC 60794-1-21, E2A
 Abrasion, cable sheath marking - IEC 60794-1-21, E2B
 Crush - IEC 60794-1-21, E3A
 Impact - IEC 60794-1-21, E4
 Bend, multiple turns - IEC 60794-1-21, E11A
 For details on test conditions, contact Hexatronic.

Certifications

B2ca
 RoHS 2002/95/EC

Marking

Example of sheath marking, 1 time/meter:
 "HEXATRONIC XXX yymmddtt TOL4063028/1C 1F G657B3
 TIA-598 Cca -s1a, d0 -a1 xxxx m"
 where XXX = plant code, yymmddhh = year, month, day of
 manufacture, xxx=running meter marking

Technical Details

| | | | | | | | | | | | | |
|-----------------------------|------|--------|-------|-------|-------|-------|-----|-------|--------|--------|------|------|
| TIA-598 Fibers and Tubes | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Blue | Orange | Green | Brown | Slate | White | Red | Black | Yellow | Violet | Rose | Aqua |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | Blue | Orange | Green | Brown | Slate | White | Red | Clear | Yellow | Violet | Rose | Aqua |

TIA 598 Color Code Chart

Articles 1

| Article name | Color | No. of Fibers | Layout | Bend Radius [mm] | Tensile Force, Installation [N] | Tensile Force, Operation [N] | Crush [N/100 mm] | Impact [J] | Diameter Ø [mm] | Weight [kg/km] | Form of Delivery |
|------------------------------------------------------|-------|---------------|------------|------------------|---------------------------------|------------------------------|------------------|------------|-----------------|----------------|------------------|
| Drop cable Indoor 1f G657E3 CPR Cca TOL4063027/1C | White | 1 | 1 × 900 µm | 30 | 150 | 50 | 350 | 3 | 2 | 4.5 | 1000 mreel |