

FTTx Indoor Drop Cable CCA

1-4 fibers G657B3 TIA598

Features

- ITU-T G657B3 bend insensitive fiber
- Tight buffered
- White discrete coloring
- Small cable outer diameter
- High tensile strength
- LSZH cables compliant to Cca -s1a, d0 -a1
- 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
Color Code	TIA598
Temperature, Operation [°C]	-20 to +70
Temperature, Storage [°C]	-15 to +50
Temperature, Installation [°C]	-20 to +70
Water Blocking	Length water blocking according to IEC 60794-1-22 Method F5C
Reaction to Fire	Cca -s1a, d0 -a1, IEC 60332-1
Fiber Type	G657B3
Attenuation @Wavelength [nm]	1310/1550
Maximum Attenuation [dB/km]	0.40/0.30
Insertion Loss, max [dB]	0.25

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

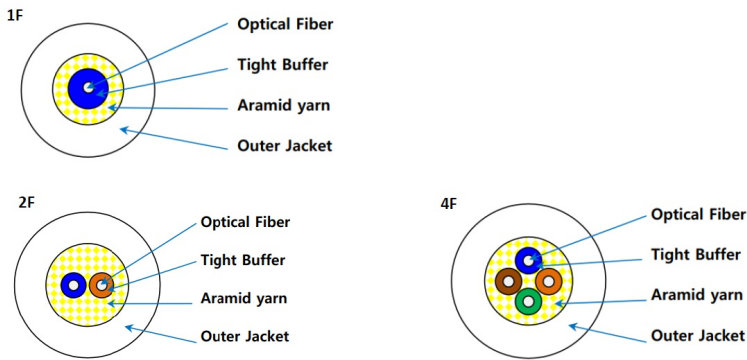
Certifications

- Cca -s1a, d0 -a1
- RoHS 2002/95/EC

Marking

Example of jacket marking, 1 time/meter:
 "HEXATRONIC XXX yymmddtt TOL4063033/1C 1F G657B3
 TIA-598 Cca-s1a,d0,a1 xxxxx m"
 where XXX = plant code, yymmddhh = year, month, day of
 manufacture, xxxxx=running meter marking

Technical Details



CABLE DATA
 (Diameter, Weight, Bending Radius and Tensile Load)

No. of Fibers	Tight Buffer Diameter (µm)	Overall Diameter (mm)	Approx. Cable Weight (kg/km)	Cable Bending Radius (mm)	Max. Tensile Load	
					Installation (N)	Operation (N)
1F	900±50	3.0±0.2	9	30	400	200
			9.5			
2F	600±50	3.5±0.2	12	35	400	200
			12.5			
4F	600±50	3.5±0.2	13	35	400	200
			13.5			

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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 G657B3 CPR Cca TOL4063033/1C	White	1	1 × 900 µm	30	400	200	500	3	3	9.5	1000 mreel
Drop cable Indoor 2f G657B3 CPR Cca TOL4063034/2C	White	2	2 × 600 µm	30	400	200	500	3	3.5	12.5	1000 mreel
Drop cable Indoor 4f G657B3 CPR Cca TOL4063034/4C	White	4	4 × 600 µm	30	400	200	500	3	3.5	13.5	1000 mreel
SM Duplex cord cable 2f - LSZH/white/K.G.657A2-CPR-Cca FCAT-CDX-SMA2L35-WHT-C-1K	White	2	–	–	–	–	–	–	3.5	–	–
SM Quad cord cable 4f - LSZH/white/K.G.657A2-CPR-Cca FCAT-CQX-SMA2L35-WHT-C-1K	White	4	–	–	–	–	–	–	3.5	–	–