

# FTTx Indoor Drop Cable CCA

1-4 fibers G657A2 TIA598

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## Features

- ITU-T G.657A2 Bend Insensitive Fibre
- Tight Buffered
- UV Stable Outer Jacket
- Small cable outer diameter
- Aramid yarn High tensile strength
- 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 G657A2 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

<b>Product Color</b>	White
<b>Temperature, Operation [°C]</b>	-20 to +70
<b>Temperature, Storage [°C]</b>	-15 to +50
<b>Temperature, Installation [°C]</b>	-20 to +70
<b>Reaction to Fire</b>	Cca -s1a, d0 -a1, IEC 60332-1
<b>Fiber Type</b>	G657A2
<b>Attenuation @Wavelength [nm]</b>	1310/1550
<b>Maximum Attenuation [dB/km]</b>	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**

Cca -s1a, d0 -a1 (Inner cable part)  
 RoHS 2002/95/EC

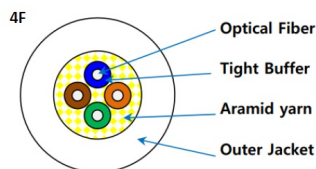
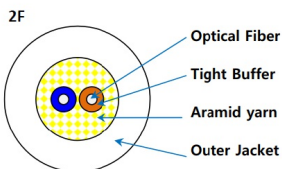
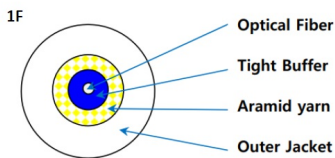
**Marking**

Example of sheath marking, 1 time/meter:  
 "HEXATRONIC XXX yymmddtt TOL4063011/1C 1F G657A2  
 TIA-598 Cca-s1a,d0,a1 xxxxx m"  
 where XXX = plant code, yymmddhh = year, month, day of  
 manufacture, xxxxx=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 2

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 G657A2 CPR Cca TOL4063011/1C	White	1	1 × 900 µm	30	400	200	500	3	3	9.5	1000 mreel
Drop cable Indoor 4f G657A2 CPR Cca TOL4063012/4C	White	4	4 × 600 µm	35	400	200	500	3	3.5	13	1000 mreel