



# Rugged Internal Drop Cable

**FTTX Internal Drop Cable for indoor distribution requirements**

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## Features

- G657A2 bend-resistant fiber for safe installations
- Extra robust design, suitable for end-user connections
- Halogen-free flame-retardant material (HFFR)
- Lowest insertion loss
- Various connector options
- Dca & Cca CPR rated

## Application

The FTAC-W series is designed to meet the standards mainly used in FTTH networks where a more robust patch cord is required. Available in UPC and APC variants.

## Design

The FTAC-W series has a very good temperature performance, making them very stable over time in various environmental conditions.

The small bending radius of only 10 mm due to the G657A2 fiber, minimizes losses when installed or handled during installation.

The patch cords are designed with Ø 0.9 mm tight-buffered secondary coating and a strength member made up of aramid yarn. The outer jacket is made of a low smoke, zero halogen (LSZH) material giving excellent protection and is UV resistant

## Technical Information

|                                       |  |
|---------------------------------------|--|
| <b>Product Color</b>                  | White  |
| <b>Temperature, Operation [°C]</b>    | -30 to +70   |
| <b>Temperature, Storage [°C]</b>      | -40 to +70   |
| <b>Temperature, Installation [°C]</b> | -20 to +50   |
| <b>Fiber Type</b>                     | G657A2   |
| <b>Insertion Loss, max [dB]</b>       | 0.30   |
| <b>Return Loss, min [dB]</b>          | 55   |
| <b>Conformance</b>                    | <p>IEC 61754 series: Fiber connector interfaces</p> <p>IEC 61755 series: Fiber optic connector optical interfaces</p> <p>IEC 61753 series: Fiber optical interconnecting devices and passive components performance standard</p> <p>IEC 61300 series: Fiber optic interconnecting devices and passive components – basic test and measurement</p> <p>IEC 60794-2-50: Indoor optical fiber cables for simplex and duplex cables for use in patch cords</p> <p>ITU G657A2: Characteristics of SM optical fiber</p> <p>IEC 60332-3-24: Test - flame propagation of Ø 2 mm patch cables installed vertically in shafts</p> <p>UL94 V-0: Flame resistance on connectors</p> |

## Technical Notes

Insertion loss measured according to IEC61300-3-4

Return loss measured according to IEC61300-3-6

## Articles 72

| Article name   | Color | No. of Fibers | Bend Radius [mm] | Diameter Ø [mm] | Length [m] |
|--|-------|---------------|------------------|-----------------|------------|
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 3m - White</b><br>FTACS01-C230-USC USC-M003W  | White | 1             | 30               | 3               | 3          |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 5m - White</b><br>FTACS01-C230-USC USC-M005W  | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 10m - White</b><br>FTACS01-C230-USC USC-M010W | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 15m - White</b><br>FTACS01-C230-USC USC-M015W | White | 1             | 30               | 3               | 15         |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 20m - White</b><br>FTACS01-C230-USC USC-M020W | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 25m - White</b><br>FTACS01-C230-USC USC-M025W | White | 1             | 30               | 3               | 25         |
| <b>Internal Drop - 1f - A2 - 3mm - USC-USC - Cca - 50m - White</b><br>FTACS01-C230-USC USC-M050W | White | 1             | 30               | 3               | 50         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 150cm - White</b><br>FTACS01-S730-ALCASC-C150W      | White | 1             | 30               | 3               | 1.5        |
| <b>Internal Drop - 1f - 2D - 3mm - ASC-ASC - 30cm - White</b><br>FTACS01-S230-ASCASC-C030W       | White | 1             | 30               | 3               | 0.3        |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 1m - White</b><br>FTACS01-S730-ALCASC-M001W         | White | 1             | 30               | 3               | 1          |
| <b>Internal Drop - 1f - 2D - 3mm - ASC-UFC - 2m - White</b><br>FTACS01-S230-ASC UFC-M002W        | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 2m - White</b><br>FTACS01-S730-ALCASC-M002W         | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 3m - White</b><br>FTACS01-S730-ALCASC-M003W         | White | 1             | 30               | 3               | 3          |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 5m - White</b><br>FTACS01-S730-ALCASC-M005W         | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 10m - White</b><br>FTACS01-S730-ALCASC-M010W        | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 15m - White</b><br>FTACS01-S730-ALCASC-M015W        | White | 1             | 30               | 3               | 15         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-ASC - 20m - White</b><br>FTACS01-S730-ALCASC-M020W        | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 10m - White</b><br>FTACS01-S730-ALCPIG-M010W    | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 20m - White</b><br>FTACS01-S730-ALCPIG-M020W    | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 30m - White</b><br>FTACS01-S730-ALCPIG-M030W    | White | 1             | 30               | 3               | 30         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 40m - White</b><br>FTACS01-S730-ALCPIG-M040W    | White | 1             | 30               | 3               | 40         |

| Article name   | Color | No. of Fibers | Bend Radius [mm] | Diameter Ø [mm] | Length [m] |
|--|-------|---------------|------------------|-----------------|------------|
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 50m - White</b><br>FTACS01-S730-ALCPIG-M050W    | White | 1             | 30               | 3               | 50         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 60m - White</b><br>FTACS01-S730-ALCPIG-M060W    | White | 1             | 30               | 3               | 60         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 70m - White</b><br>FTACS01-S730-ALCPIG-M070W    | White | 1             | 30               | 3               | 70         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-Pigtail - 80m - White DR</b><br>FTACS01-S730-ALCPIG-M080W | White | 1             | 30               | 3               | 80         |
| <b>Internal Drop - 1f - A1 - 3mm - ALC-USC - 150cm - White</b><br>FTACS01-S730-ALCUSC-C150W      | White | 1             | 30               | 3               | 1.5        |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 30cm - White</b><br>FTACS01-S730-ASCASC-C030W       | White | 1             | 30               | 3               | 0.3        |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 50cm - White</b><br>FTACS01-S730-ASCASC-C050W       | White | 1             | 30               | 3               | 0.5        |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 150cm - White</b><br>FTACS01-S730-ASCASC-C150W      | White | 1             | 30               | 3               | 1.5        |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 1m - White</b><br>FTACS01-S730-ASCASC-M001W         | White | 1             | 30               | 3               | 1          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 2m - White</b><br>FTACS01-S730-ASCASC-M002W         | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 5m - White</b><br>FTACS01-S730-ASCASC-M005W         | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 10m - White</b><br>FTACS01-S730-ASCASC-M010W        | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 15m - White</b><br>FTACS01-S730-ASCASC-M015W        | White | 1             | 30               | 3               | 15         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 20m - White</b><br>FTACS01-S730-ASCASC-M020W        | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ASC - 25m - White</b><br>FTACS01-S730-ASCASC-M025W        | White | 1             | 30               | 3               | 25         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-UFC - 1m - White</b><br>FTACS01-S730-ASCUFC-M001W         | White | 1             | 30               | 3               | 1          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-UFC - 5m - White</b><br>FTACS01-S730-ASCUFC-M005W         | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-UFC - 19m - White</b><br>FTACS01-S730-ASCUFC-M019W        | White | 1             | 30               | 3               | 19         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-UFC - 25m - White</b><br>FTACS01-S730-ASCUFC-M025W        | White | 1             | 30               | 3               | 25         |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ULC - 50cm - White</b><br>FTACS01-S730-ASCULC-C050W       | White | 1             | 30               | 3               | 0.5        |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ULC - 1m - White</b><br>FTACS01-S730-ASCULC-M001W         | White | 1             | 30               | 3               | 1          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ULC - 2m - White</b><br>FTACS01-S730-ASCULC-M002W         | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ULC - 4m - White</b><br>FTACS01-S730-ASCULC-M004W         | White | 1             | 30               | 3               | 4          |
| <b>Internal Drop - 1f - A1 - 3mm - ASC-ULC - 10m - White</b><br>FTACS01-S730-ASCULC-M010W        | White | 1             | 30               | 3               | 10         |

| Article name   | Color | No. of Fibers | Bend Radius [mm] | Diameter Ø [mm] | Length [m] |
|--|-------|---------------|------------------|-----------------|------------|
| <b>Internal Drop - 1f - A1 - 3mm - UFC-ASC - 2m - White</b><br>FTACS01-S730-UFCASC-M002W     | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ULC-ASC - 3m - White</b><br>FTACS01-S730-ULCASC-M003W     | White | 1             | 30               | 3               | 3          |
| <b>Internal Drop - 1f - A1 - 3mm - ULC-Pigtail - 2m - White</b><br>FTACS01-S730-ULCPIG-M002W | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ULC-UFC- 2m - White</b><br>FTACS01-S730-ULCUFC-M002W      | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - ULC-ULC- 2m - White</b><br>FTACS01-S730-ULCULC-M002W      | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 2m - White</b><br>FTACS01-S730-USCALC-M002W      | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 3m - White</b><br>FTACS01-S730-USCALC-M003W      | White | 1             | 30               | 3               | 3          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 5m - White</b><br>FTACS01-S730-USCALC-M005W      | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 10m - White</b><br>FTACS01-S730-USCALC-M010W     | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 15m - White</b><br>FTACS01-S730-USCALC-M015W     | White | 1             | 30               | 3               | 15         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 20m - White</b><br>FTACS01-S730-USCALC-M020W     | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 30m - White</b><br>FTACS01-S730-USCALC-M030W     | White | 1             | 30               | 3               | 30         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 40m - White</b><br>FTACS01-S730-USCALC-M040W     | White | 1             | 30               | 3               | 40         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ALC- 50m - White</b><br>FTACS01-S730-USCALC-M050W     | White | 1             | 30               | 3               | 50         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ASC- 150cm - White</b><br>FTACS01-S730-USCASC-C150W   | White | 1             | 30               | 3               | 1.5        |
| <b>Internal Drop - 1f - A1 - 3mm - USC-ASC- 5m - White</b><br>FTACS01-S730-USCASC-M005W      | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 2m - White</b><br>FTACS01-S730-USCUSC-M002W      | White | 1             | 30               | 3               | 2          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 5m - White</b><br>FTACS01-S730-USCUSC-M005W      | White | 1             | 30               | 3               | 5          |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 10m - White</b><br>FTACS01-S730-USCUSC-M010W     | White | 1             | 30               | 3               | 10         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 15m - White</b><br>FTACS01-S730-USCUSC-M015W     | White | 1             | 30               | 3               | 15         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 20m - White</b><br>FTACS01-S730-USCUSC-M020W     | White | 1             | 30               | 3               | 20         |
| <b>Internal Drop - 1f - A1 - 3mm - USC-USC- 25m - White</b><br>FTACS01-S730-USCUSC-M025W     | White | 1             | 30               | 3               | 25         |
| <b>Internal Drop - 1f - A1 - 4mm - USC-ALC- 2m - White</b><br>FTACS01-S740-USCALC-M002W      | White | 1             | 40               | 4               | 2          |
| <b>Internal Drop - 1f - A1 - 4mm - USC-ALC- 2m - White</b><br>FTACS01-S740-USCALC-M020W      | White | 1             | 40               | 4               | 2          |

| Article name  | Color | No. of Fibers | Bend Radius [mm] | Diameter Ø [mm] | Length [m] |
|---|-------|---------------|------------------|-----------------|------------|
| <b>Internal Drop - 1f - A1 - 4mm - USC-ALC- 2m - White</b><br>FTACS01-S740-USCALC-M030W | White | 1             | 40               | 4               | 2          |
| <b>Internal Drop - 1f - A1 - 4mm - USC-ALC- 2m - White</b><br>FTACS01-S740-USCALC-M040W | White | 1             | 40               | 4               | 2          |
| <b>Internal Drop - 1f - A1 - 4mm - USC-ALC- 2m - White</b><br>FTACS01-S740-USCALC-M050W | White | 1             | 40               | 4               | 2          |