

Universal Multi Loose Tube Cable  
with Corrugated Steel Tape, Single Jacket

GCCG, GCCD, GCCE, GCCF

A/I-DQ(ZN)(SR)H



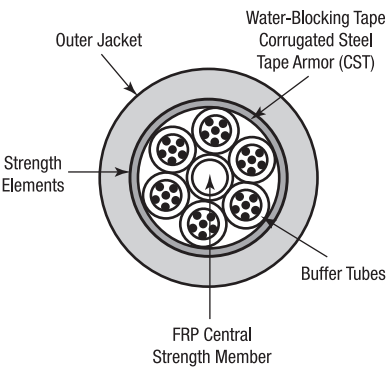
Applications

- For outdoor and indoor use in structured (data) wiring systems such as (campus backbone)
- For outdoor and indoor use in networks for telecom, cable TV and/or broadcast
- Easy to install in ducts, tunnels and trenches by means of compressed air or pulling wire
- Suitable for direct burial

Features & Benefits

- Available in sizes from 2 to 144 fibers
- Jelly filled (non-dripping and silicon-free) loose tubes with primary coated optical fibers ( $\varnothing 250 \pm 15 \mu\text{m}$ )
- Full dielectric construction, no grounding required
- Installation-friendly thanks to the cable core which is kept free of grease (dry interstices)
- High mechanical and full rodent protection provided by Corrugated Steel Tape (CST) armor
- Halogen Free jacket
- Length marking in meters for easy determination of the cable length

Cross Section



Specifications

| IEC 60794-1-2                       |                        |
|-------------------------------------|------------------------|
| Crush Resistance (E3):              | 22 kN/m                |
| Min. Bend Radius installation (E6): | 20 x $\varnothing$     |
| Min. Bend Radius operation (E11):   | 20 x $\varnothing$     |
| Temperature Range (F1):             |                        |
| – Transport/Storage                 | -30 °C to +70 °C       |
| – Installation                      | -5 °C to +50 °C        |
| – Operation                         | -30 °C to +70 °C       |
| Watertightness (F5):                | Pass                   |
| Other                               |                        |
| Flame Retardant:                    | IEC 60332-3-22         |
| Circuit Integrity:                  | IEC 60332-25, EN 50200 |
| Halogen Free:                       | IEC 60754-1            |
| Non Corrosive:                      | IEC 60754-2            |
| Smoke Density:                      | IEC 61034-2            |

## Characteristics

| Loose Tube    | Fiber Count | Diameter Tube (mm) | Max. Fibers per Tube | Watertightness in Core | Diameter (mm) | Weight (kg/km) | Tensile Strength (short term) N | Tensile Strength (permanent) N | Fire Load (kJ/m) |
|---------------|-------------|--------------------|----------------------|------------------------|---------------|----------------|---------------------------------|--------------------------------|------------------|
| IEC 60794-1-2 |             |                    |                      |                        |               |                | E1                              | E1                             |                  |
| GCCG*xx       | 6 to 36     | 1.9                | 6                    | Dry                    | 10.5          | 160            | 1750                            | 580                            | 2100             |
| GCCD*xx       | 12 to 72    | 2.5                | 12                   | Dry                    | 12.0          | 200            | 2400                            | 800                            | 2900             |
| GCCE*xx       | 84 to 96    | 2.5                | 12                   | Dry                    | 15.4          | 250            | 2500                            | 830                            | 3100             |
| GCCF*xx       | 108 to 144  | 2.5                | 12                   | Dry                    | 18.5          | 330            | 4000                            | 1300                           | 6000             |

## Ordering Information

| Fiber Type/Count                   | Dry Core                        |         |         |         |         |
|------------------------------------|---------------------------------|---------|---------|---------|---------|
|                                    | 6                               | 12      | 18      | 24      | 36      |
| 62.5/125-OM1                       | GCCG106                         | GCCG112 | GCCG118 | GCCG124 | GCCG136 |
| 50/125-OM2                         | GCCG206                         | GCCG212 | GCCG218 | GCCG224 | GCCG236 |
| 50/125-OM3                         | GCCGD06                         | GCCGD12 | GCCGD18 | GCCGD24 | GCCGD36 |
| 50/125-OM4                         | GCCGE06                         | GCCGE12 | GCCGE18 | GCCGE24 | GCCGE36 |
| 9/125 ITU G.652D                   | GCCG806                         | GCCG812 | GCCG818 | GCCG824 | GCCG836 |
| 9/125 ITU G.655 C & D              | GCCG706                         | GCCG712 | GCCG718 | GCCG724 | GCCG736 |
| Std. plywood reel (non-returnable) | Ø 1250 x 688 mm, Weight 93.0 kg |         |         |         |         |
| Std. delivery length               | 2100 ± 100 m                    |         |         |         |         |

| Fiber Type/Count                   | Dry Core                        |         |         |         |         |         |
|------------------------------------|---------------------------------|---------|---------|---------|---------|---------|
|                                    | 12                              | 24      | 36      | 48      | 60      | 72      |
| 62.5/125-OM1                       | GCCD112                         | GCCD124 | GCCD136 | GCCD148 | GCCD160 | GCCD172 |
| 50/125-OM2                         | GCCD212                         | GCCD224 | GCCD236 | GCCD248 | GCCD260 | GCCD272 |
| 50/125-OM3                         | GCCDD12                         | GCCDD24 | GCCDD36 | GCCDD48 | GCCDD60 | GCCDD72 |
| 50/125-OM4                         | GCCDE12                         | GCCDE24 | GCCDE36 | GCCDE48 | GCCDE60 | GCCDE72 |
| 9/125 ITU G.652D                   | GCCD812                         | GCCD824 | GCCD836 | GCCD848 | GCCD860 | GCCD872 |
| 9/125 ITU G.655 C & D              | GCCD712                         | GCCD724 | GCCD736 | GCCD748 | GCCD760 | GCCD772 |
| Std. plywood reel (non-returnable) | Ø 1250 x 688 mm, Weight 93.0 kg |         |         |         |         |         |
| Std. delivery length               | 2100 ± 100 m                    |         |         |         |         |         |

## Ordering Information

| Fiber Type/Count                   | Dry Core                         |         |
|------------------------------------|----------------------------------|---------|
|                                    | 96                               | 144     |
| 62.5/125-OM1                       | GCCE196                          | GCCF144 |
| 50/125-OM2                         | GCCE296                          | GCCF244 |
| 50/125-OM3                         | GCCED96                          | GCCFD44 |
| 50/125-OM4                         | GCCEE96                          | GCCFE44 |
| 9/125 ITU G.652D                   | GCCE896                          | GCCF844 |
| 9/125 ITU G.655 C & D              | GCCE796                          | GCCF744 |
| Std. plywood reel (non-returnable) | Ø 1400 x 900 mm, Weight 120.0 kg |         |
| Std. delivery length               | 2100 ± 100 m                     |         |

## Fiber Color Coding

| No. |        | No. |               | No.               |              |
|-----|--------|-----|---------------|-------------------|--------------|
| 1   | Red    | 11  | White         | 21                | Grey + ring  |
| 2   | Green  | 12  | Aqua          | 22                | Brown + ring |
| 3   | Blue   | 13  | Red + ring    | 23                | White + ring |
| 4   | Yellow | 14  | Green + ring  | 24                | Aqua + ring  |
| 5   | Violet | 15  | Blue + ring   | Tube Color Coding |              |
| 6   | Pink   | 16  | Yellow + ring |                   |              |
| 7   | Orange | 17  | Violet + ring | No.               |              |
| 8   | Black  | 18  | Pink + ring   | 1                 | Red          |
| 9   | Grey   | 19  | Orange + ring | 2                 | Green        |
| 10  | Brown  | 20  | Black + ring  | 3 to 12           | White        |