

**Universal Central Loose Tube Cable
with Corrugated Steel Tape, Single Jacket**

GUCN, GUCB

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



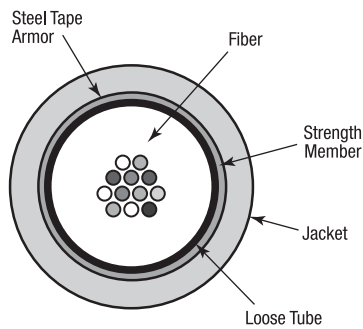
Applications

- 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 4 to 24 fibers
- Jelly filled (non-dripping and silicon-free) loose tube with primary coated optical fibers (Ø 250 ± 15 µm)
- 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 | |
|-------------------------------------|-------------------------------|
| Min. Bend Radius installation (E6): | 20 x Ø |
| Min. Bend Radius operation (E11): | 20 x Ø |
| 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 | |
| Circuit Integrity: | EN 50200, IEC 60331-25 (E120) |
| Flame Retardant: | IEC 60332-3-22 |
| Halogen Free: | IEC 60754-1 |
| Non Corrosive: | IEC 60754-2 |
| Smoke Density: | IEC 61034-2 |

Characteristics

| Loose Tube | Fiber Count | Diameter (mm) | Weight (kg/km) | Crush Resistance (kN/m) | Tensile Strength (short term) N | Tensile Strength (permanent) N | Fire Load (kJ/m) |
|----------------------|-------------|---------------|----------------|-------------------------|---------------------------------|--------------------------------|------------------|
| IEC 60794-1-2 | | | | | E1 | E1 | |
| GUCN*xx | 4 to 24 | 9.0 | 103 | 35 | 1500 | 500 | 1045 |
| GUCB*xx | 4 to 24 | 10.6 | 148 | 40 | 2500 | 830 | 1308 |

Ordering Information

| Fiber Type/Count | 4 | 6 | 8 | 12 | 16 | 24 |
|------------------------------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|
| GUCN | | | | | | |
| 62.5/125-OM1 | GUCN104 | GUCN106 | GUCN108 | GUCN112 | GUCN116 | GUCN124 |
| 50/125-OM2 | GUCN204 | GUCN206 | GUCN208 | GUCN212 | GUCN216 | GUCN224 |
| 50/125-OM3 | GUCND04 | GUCND06 | GUCND08 | GUCND12 | GUCND16 | GUCND24 |
| 50/125-OM4 | GUCNE04 | GUCNE06 | GUCNE08 | GUCNE12 | GUCNE16 | GUCNE24 |
| 9/125 ITU G.652D | GUCN804 | GUCN806 | GUCN808 | GUCN812 | GUCN816 | GUCN824 |
| 9/125 ITU G.655 C & D | GUCN704 | GUCN706 | GUCN708 | GUCN712 | GUCN716 | GUCN724 |
| GUCB | | | | | | |
| 62.5/125-OM1 | GUCB104 | GUCB106 | GUCB108 | GUCB112 | GUCB116 | GUCB124 |
| 50/125-OM2 | GUCB204 | GUCB206 | GUCB208 | GUCB212 | GUCB216 | GUCB224 |
| 50/125-OM3 | GUCBD04 | GUCBD06 | GUCBD08 | GUCBD12 | GUCBD16 | GUCBD24 |
| 50/125-OM4 | GUCBE04 | GUCBE06 | GUCBE08 | GUCBE12 | GUCBE16 | GUCBE24 |
| 9/125 ITU G.652D | GUCB804 | GUCB806 | GUCB808 | GUCB812 | GUCB816 | GUCB824 |
| 9/125 ITU G.655 C & D | GUCB704 | GUCB706 | GUCB708 | GUCB712 | GUCB716 | GUCB724 |
| GUCN • GUCB | | | | | | |
| Std. plywood reel (non-returnable) | | | Ø 1000 x 530 mm, Weight 18.0 kg | | | |
| Std. delivery length | | | 2100 ± 100 m | | | |

Fiber Color Coding

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