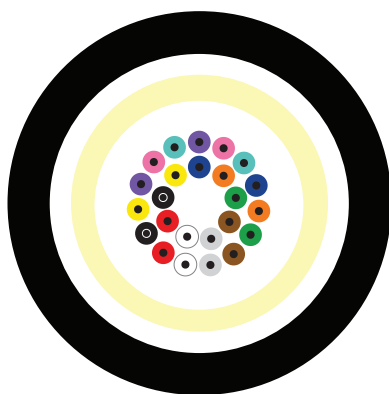


Optical Central Dry Tube Cables, EuroClass B2ca

APPLICATION

Leviton Central Dry Tube (CDT) B2ca cables offer up to 24 fiber in a compact, gel-free construction. CDT cable is compliant with the European Construction Products Regulation, achieving EuroClass level B2ca according to EN 13501-6. CDT B2ca cables are suited to any building backbone or riser installation where people safety in the case of fire is a high priority. Leviton CDT cables are suitable for internal/external dry duct and cable tray installations in building and campus backbone applications.



FEATURES

- 2-24 fiber counts — color-coded according to TIA-598-D
- Bend Insensitive Fiber as standard — Single-Mode, OM3 and OM4 versions to suit a variety of applications
- Central dry tube cable construction — gel-free to reduce termination time and remove the need for solvents
- Glass yarn armoring — high-tensile yarns to offer strength and rodent protection
- Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath (Black, UV stable as standard)
- EuroClass B2ca meets the requirements of EuroClass Cca, Dca and Eca and can be used in applications where these are specified
- Exceeds the relevant mechanical and environmental performance defined by IEC 60794-2-20

STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- BS EN 50173-1
- IEC 60794-1-2

COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS
GFxxxCDTxxLU-B2ca

| OPTICAL PERFORMANCE | | | | | | |
|--|----------------|----------------|---------------|---------------|--------------|--|
| Fiber Identifier | 108 | 208 | OM3 | OM4 | OM5 | |
| IEC 60793 Reference | -2-50 B-657.A1 | -2-50 B-657.A2 | -2-10 A1-OM3b | -2-10 A1-OM4b | -2-10 A1-OM5 | |
| ITU-T Recommendation | G.657.A1 | G.657.A2 | G.651.1 | G.651.1 | G.651.1 | |
| ISO/IEC 11801 Category | OS2 | OS2 | OM3 | OM4 | OM5 | |
| Effective Modal Bandwidth @ 850nm (MHz.km) | — | — | ≥2000 | ≥4700 | ≥4700 | |
| Overfilled Launch Bandwidth @ 850nm (MHz.km) | — | — | ≥1500 | ≥3500 | ≥3500 | |
| Attenuation @ 850nm (dB/km) | — | — | ≤2.80 | ≤2.80 | ≤2.80 | |
| Attenuation @ 1300nm (dB/km) | — | — | ≤0.80 | ≤0.80 | ≤0.80 | |
| Attenuation @ 1310nm (dB/km) | ≤0.38 | ≤0.38 | — | — | — | |
| Attenuation @ 1550nm (dB/km) | ≤0.25 | ≤0.25 | — | — | — | |

| REACTION TO FIRE | | | |
|----------------------------|----------------|---------------|----------------|
| Characteristic | IEC Standard | EN Standard | CPR Rating |
| Single Cable Flame Rating | IEC 60332-1-2 | EN 60332-1-2 | Pass |
| Smoke Production | — | EN 50399 | s1a |
| Flaming Droplets/Particles | — | — | d1 |
| Acid Gas Emission/Acidity | IEC 60754 | EN 60754 | a1 |
| EuroClassification | — | EN 13501-6 | B2ca s1a d1 a1 |
| Bundled Cable Flame Rating | IEC 60332-3-24 | EN 60332-3-24 | — |

| PHYSICAL CHARACTERISTICS | | | |
|--------------------------|----------------------------|-----------------------------|------------------------------|
| Fiber Count | Nominal Tube Diameter (mm) | Nominal Cable Diameter (mm) | Nominal Cable Weight (kg/km) |
| 2-12 | 3.0 | 6.5 | 43 |
| 16-24 | 3.5 | 7.0 | 47 |

| TEMPERATURE PERFORMANCE | | | |
|-------------------------|-------------------------|---------------------|--------------------------|
| Fiber Count | Operational Temp. Range | Storage Temp. Range | Installation Temp. Range |
| 2-12 | -20 °C .. 60 °C | -20 °C .. 60 °C | -10 °C .. 60 °C |
| 16-24 | -20 °C .. 60 °C | -20 °C .. 60 °C | -10 °C .. 60 °C |

| MECHANICAL PERFORMANCE | | | | | | | |
|------------------------|-------------------------|--------------------------|-----------------------|------------------------|----------------|------------------|-----------------------------|
| Fiber Count | Max. Long Term Load (N) | Max. Short Term Load (N) | Min. Static Bend (mm) | Min. Dynamic Bend (mm) | Max. Crush (N) | Max. Impact | Max. Torsion (Turns ± 180°) |
| 2-12 | 450 | 1500 | 15 x Cable Diameter | 20 x Cable Diameter | 1500 | 3 impacts 2.0 Nm | 5 |
| 16-24 | | | | | | | |

PRODUCT SPECIFICATIONS
GFxxxCDTxxLU-B2ca



GFxxxCDTxxLU-B2ca

| PACKAGING INFO | | | | | | |
|----------------|-------------------------------|------------|------------------------|-----|------------------|-----|
| Fiber Count | Reel Size (flange x width mm) | | Gross Weight (kg/reel) | | Reels Per Pallet | |
| | 2km | 4km | 2km | 4km | 2km | 4km |
| 2-12 | 915 x 470 | 1055 x 515 | 102 | 192 | 2 | 1 |
| 16-24 | 915 x 470 | 1055 x 515 | 111 | 209 | 2 | 1 |

| PART NUMBERS | |
|--|-------------------|
| Description | Part No. |
| 4 Fiber Single-Mode OS2 G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GF108CDT04LU-B2ca |
| 8 Fiber Single-Mode OS2 G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GF108CDT08LU-B2ca |
| 12 Fiber Single-Mode OS2 G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GF108CDT12LU-B2ca |
| 24 Fiber Single-Mode OS2 G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GF108CDT24LU-B2ca |
| 4 Fiber Multimode OM3 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM3CDT04LU-B2ca |
| 8 Fiber Multimode OM3 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM3CDT08LU-B2ca |
| 12 Fiber Multimode OM3 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM3CDT12LU-B2ca |
| 24 Fiber Multimode OM3 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM3CDT24LU-B2ca |
| 4 Fiber Multimode OM4 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM4CDT04LU-B2ca |
| 8 Fiber Multimode OM4 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM4CDT08LU-B2ca |
| 12 Fiber Multimode OM4 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM4CDT12LU-B2ca |
| 24 Fiber Multimode OM4 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM4CDT24LU-B2ca |
| 4 Fiber Multimode OM5 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM5CDT04LU-B2ca |
| 8 Fiber Multimode OM5 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM5CDT08LU-B2ca |
| 12 Fiber Multimode OM5 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM5CDT12LU-B2ca |
| 24 Fiber Multimode OM5 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca | GFOM5CDT24LU-B2ca |

Note: Other fiber types and counts are available on request.

For further support information, visit leviton.com/ns/support

Page 3 of 3

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