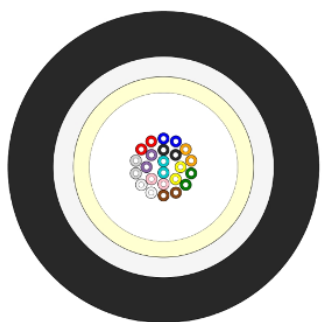


Optical Central Dry Tube B2ca Cables

APPLICATION

Leviton B2ca Central Dry Tube (CDT) 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
- Included in the Leviton 25-Year System Warranties when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractors

STANDARDS & REGULATIONS

Applicable Standards: ISO/IEC 11801
 IEC 60794
 BS EN 50173-1

Test Standards: IEC 60794-1-2

COUNTRY OF ORIGIN

United Kingdom

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

PRODUCT SPECIFICATIONS
GFxxxCDTxxLU-B2ca



GFxxxCDTxxLU-B2ca

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

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 to 60°C	-20°C to 60°C	-10°C to 60°C
16-24	-20°C to 60°C	-20°C to 60°C	-10°C to 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							

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

PRODUCT SPECIFICATIONS
GFxxxCDTxxLU-B2ca



PART NUMBERS	
Description	Part No.
4 Fiber Single-Mode G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca	GF108CDT04LU-B2ca
8 Fiber Single-Mode G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca	GF108CDT08LU-B2ca
12 Fiber Single-Mode G.657.A1 Central Dry Loose Tube Cable Universal LSHF/LSZH, EuroClass B2ca	GF108CDT12LU-B2ca
24 Fiber Single-Mode 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

Other fiber types and counts are available on request.
 xxx = fiber type and xx = fiber count

GFxxxCDTxxLU-B2ca

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



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