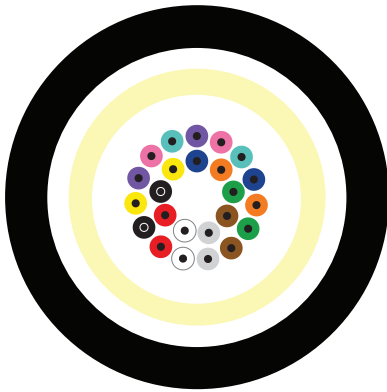


## ADVENTUM™ Indoor/Outdoor Optical Central Dry Tube Cable, Euroclass B2ca

### APPLICATION

Leviton ADVENTUM™ Indoor/Outdoor 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.



**COUNTRY OF ORIGIN**  
UK

### WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/NS/Warranty](https://www.leviton.com/NS/Warranty)

### FEATURES & BENEFITS

- 2-24 fiber counts — color-coded according to TIA-598-D
- Bend Insensitive Fiber as standard — Single-Mode, OM1, OM3, OM4, and OM5 versions to suit a variety of applications
- Dry water blocked design of the central tube to prohibit the ingress of water throughout the tube length
- Central dry tube cable construction — gel-free to reduce termination time and remove the need for solvents
- Glass yarn armoring — high-tensile yarns offer strength and rodent protection
- Halogen-Free Flame Retardant Low-Smoke (HFFR-LS) sheath (Black, UV stable as standard)
- CE marked for CPR
- 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

**PRODUCT SPECIFICATIONS**  
**GFxxxCDTxxLU-B2ca**

**TECHNICAL SPECIFICATIONS**

Construction	
Type of Cable	Central Dry Tube
Usage Characteristics	
Temp. (Storage):	-20 °C to +60 °C (-4 °F to +140 °F)
Temp. (Installation):	-10 °C to +60 °C (+14 °F to +140 °F)
Temp. (Operating):	-20 °C to +60 °C (-4 °F to +140 °F)

**REACTION TO FIRE**

Characteristics	IEC STANDARD	EN STANDARD	CPR RATING
Material Description	—	—	HFFR-LS
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Bundled Cable Flame Rating	IEC 60332-3-24	EN 60332-3-24	—
Cable Flame Rating	—	EN 50399	B2ca
Smoke Emissions	—	EN 50399	s1a
Flaming Droplets/Particles	—	—	d1
Acid Gas Emission	IEC 60754	EN 60754	a1
Classification / Euroclass	—	EN 13501-6	B2ca s1a d1 a1

**TECHNICAL SPECIFICATIONS**

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	450	1500	15x Cable Diameter	20x Cable Diameter	1500	3 impacts 2.0 Nm	5	3.0	6.5	43
16-24								3.5	7.0	47

**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	—	—	—

**PACKAGING**

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			111	209		

**PRODUCT SPECIFICATIONS**  
**GFxxxCDTxxLU-B2ca**



**PART NUMBER CONFIGURATOR**

Sample Part Number: [GF OM4 CDT 24 LU - B2ca](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS
GF	108	SM G657A1	CDT	Central Dry Tube	02	LU	HFFR-LS	B2ca
	208	SM G657A2			04			
	062	OM1			06			
	OM3	OM3			08			
	OM4	OM4			12			
	OM5	OM5			16			
					24			

GFxxxCDTxxSTALU-B2ca

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](http://Leviton.com/ns/support)

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