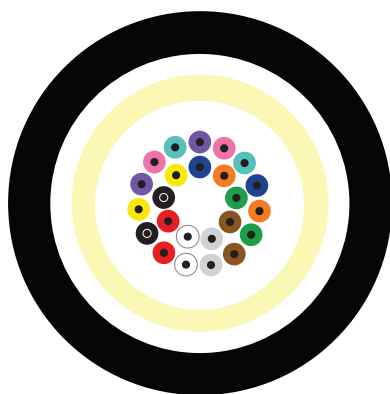


ADVENTUM™ Indoor/Outdoor Optical Central Dry Tube Cable, Euroclass B2ca

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://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

GFxxxCDTxxLU-B2ca

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



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					

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](https://leviton.com/ns/support)

Page 3 of 3

USA
Network Solutions Headquarters
+1 (800) 722 2082
infoUSA@leviton.com

BERK-TEK™ Cable
+1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
+852 3620 2602
infoAPAC@leviton.com

Canada
+1 (800) 461 2002
infoCanada@leviton.com

Europe
+44 (0) 1592 772124
infoEurope@leviton.com

Latin America
MX: +52 (55) 2128 6286
LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
+971 (4) 247 9800
infoMEA@leviton.com

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](https://leviton.com/ns) TO LEARN MORE.