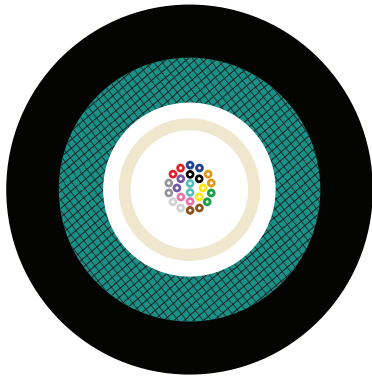


ADVENTUM™ Indoor/Outdoor CDT Steel Tape Armored Cables, Euroclass B2ca

APPLICATION

Leviton ADVENTUM™ Steel-Tape Armored Central Dry Tube (CDT) cables offer up to 24 fibers in a compact, dry, water-blocked tube and 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 installation where people's safety in the case of fire is a high priority. ADVENTUM cables are suitable for internal/external installations in building and campus applications, vertical riser installations, and data centers. The steel tape armor range has been designed to offer enhanced mechanical properties, suitable for direct-burial applications and other campus backbone environments where the cable may be subject to mechanical crush and impact.



FEATURES & BENEFITS

- 2-24 Fiber counts – color-coded according to TIA-598-D
- Bend Insensitive Fiber as standard — Single-Mode, 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
- Glass yarns – high tensile yarns to offer strength
- Corrugated steel-tape armor for superior mechanical crush and impact resistance and rodent protection
- Enhanced 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
- Indoor/Outdoor design eliminates the need to transition from an Outdoor cable to an Indoor cable at the entrance facility
- CE marked for CPR

STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- BS EN 50173-1
- IEC 60794-1-21
- IEC 60794-1-22

COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

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

PRODUCT SPECIFICATIONS
GFxxxCDTxxSTALU-B2ca

TECHNICAL SPECIFICATIONS

Construction	
Type of Cable	Central Dry Tube
Jacket Material	HFFR-LS
Usage Characteristics	
Temp. (Storage):	-40 °C to +75 °C (-40 °F to +167 °F)
Temp. (Installation):	-10 °C to +60 °C (-14 °F to +140 °F)
Temp. (Operating):	-40 °C to +75 °C (-40 °F to +167 °F)

REACTION TO FIRE

Characteristics		
	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	IEC 60332-3-24	Pass
Bundled Cable Flame Rating	EN 50399 20.5kW source	B2ca
Smoke Emission	EN 50399	s1a
Flaming Droplets/Particles	EN 50399	d1
Acid Gas Emission	EN 50267-2-3	a1
Classification / EuroClass	EN 13501-6	B2ca s1a d1 a1

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Long Term Tensile Load (N)	Max. Short Term Tensile 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)	Nominal Cable Weight (kg/km)
2-12	1000	3000	10x Cable Diameter	15x Cable Diameter	2200	20	5	3.0	8.8	98
16-24								3.5	9.9	111

FIBER IDENTIFICATION

Fiber Identifier*	108	208	OM3	OM4	OM5
IEC 60793 Reference	2-50-B6_a	2-50-B6_a	2-10-A1a.2	2-10-A1a.3	2-10-A1a-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	—	—	—

*Other fiber types are available on request.

PACKAGING

Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2-12	1200 x 1200 x 690	1400 x 1400 x 800	260	495	1	1
16-24			286	548		

PRODUCT SPECIFICATIONS
GFxxxCDTxxSTALU-B2ca



PART NUMBER CONFIGURATOR

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

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	ARMORING		OUTER SHEATH		EUROCLASS
GF	108	SM G657A1	CDT	Central Dry Tube	02	STA	Corrugated Steel Tape Armor	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 G.657.A1, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GF108CDT04STALU-B2ca
6 Fiber Single-Mode G.657.A1, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GF108CDT06STALU-B2ca
8 Fiber Single-Mode G.657.A1, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GF108CDT08STALU-B2ca
12 Fiber Single-Mode G.657.A1, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GF108CDT12STALU-B2ca
24 Fiber Single-Mode G.657.A1, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GF108CDT24STALU-B2ca
4 Fiber Multimode OM3, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM3CDT04STALU-B2ca
6 Fiber Multimode OM3, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM3CDT06STALU-B2ca
8 Fiber Multimode OM3, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM3CDT08STALU-B2ca
12 Fiber Multimode OM3, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM3CDT12STALU-B2ca
24 Fiber Multimode OM3, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM3CDT24STALU-B2ca
4 Fiber Multimode OM4, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM4CDT04STALU-B2ca
6 Fiber Multimode OM4, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM4CDT06STALU-B2ca
8 Fiber Multimode OM4, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM4CDT08STALU-B2ca
12 Fiber Multimode OM4, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM4CDT12STALU-B2ca
24 Fiber Multimode OM4, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM4CDT24STALU-B2ca
4 Fiber Multimode OM5, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM5CDT04STALU-B2ca
6 Fiber Multimode OM5, CDT STA Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM5CDT06STALU-B2ca
8 Fiber Multimode OM5, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM5CDT08STALU-B2ca
12 Fiber Multimode OM5, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM5CDT12STALU-B2ca
12 Fiber Multimode OM5, CDT STA, Indoor/Outdoor LSHF/LSZH, Euroclass B2ca	GFOM5CDT24STALU-B2ca

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

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

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USA
 Network Solutions Headquarters
 +1 (800) 722 2082
infoUSA@leviton.com
 Leviton Cable (formerly Berk-Tek)
 +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

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