

# Optical Central Dry Tube B2ca Cables

Datasheet: GD104138v3



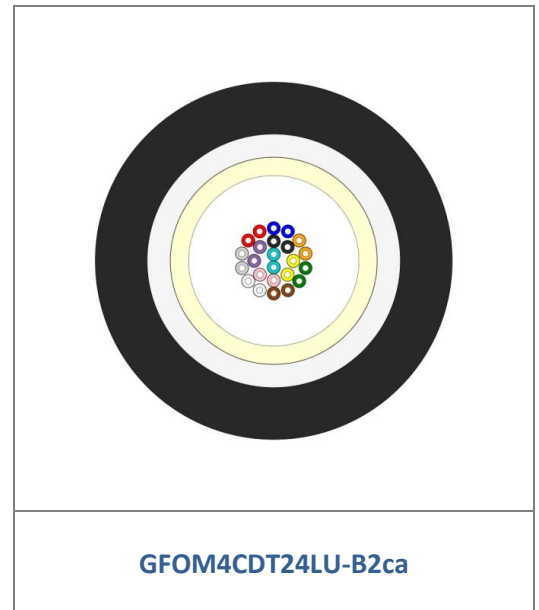
## APPLICATION

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 installation where people safety in the case of fire is a high priority.

Leviton CDT cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.

## FEATURES AND BENEFITS

- 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 need for solvents
- Glass Yarn Armoring - high tensile yarns to offer strength and basic rodent protection
- Enhanced Halogen Free Flame-Retardant Low Smoke (HFFR-LS) sheath meets the requirements of the Construction Products Regulation (CPR) EuroClass B2ca (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 available for qualified projects installed by certified contractors.



## STANDARDS

**Applicable Cable Standards:** ISO/IEC 11801, IEC 60794 and BS EN 50173-1

**Test Standards:** IEC 60794-1-21 and IEC 60794-1-22

## FIBER IDENTIFICATION

Fiber Identifier*	108	208	OM3	OM4
IEC 60793 Reference	2-50-B6_a	2-50-B6_a	2-10-A1a.2	2-10-A1a.3
ITU-T Recommendation	G.657.A1	G.657.A2	G.651.1	G.651.1
ISO/IEC 11801 Category	OS2	OS2	OM3	OM4

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## REACTION TO FIRE

CHARACTERISTIC	IEC STANDARD	EN STANDARD	CPR RATING
Classification / EuroClass	-	EN 13501-6	B2ca s1a d1 a1
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Smoke Emission	-	EN 50399	s1a
Acid Gas Emission	IEC 60754	EN 60754	Pass
Bundled Cable Flame Rating	IEC 60332-3-24	EN 60332-3-24	-

## PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	3.0	6.5	46
16-24	3.5	7.0	51

## 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)	Impact Resistance	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							

## TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
2-24	-20°C to +60°C	-20°C to +60°C	-5°C to +50°C

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## 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	760 x 544	1000 x 590	96	199	2	1
16-24	760 x 544	1000 x 590	106	219	2	1

## PART NUMBER CONFIGURATOR

### GF- a - CDT - b - LU-B2ca

**a** = Fiber Identifier\* e.g. "108" for G.657.A1 fiber

**b** = 2 digit fiber count e.g. "02" for 2 fiber cable

Example part number: GFOM4CDT24LU-B2ca

*"Leviton is **dedicated to designing, developing, and manufacturing** sustainable **high performance** structured cabling and specialty cabling solutions."*

The information contained in this document is valid and correct at the time of issue. Leviton reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.