

Optical Central Dry Tube B2_{CA} Cables

Datasheet: GD104138v1



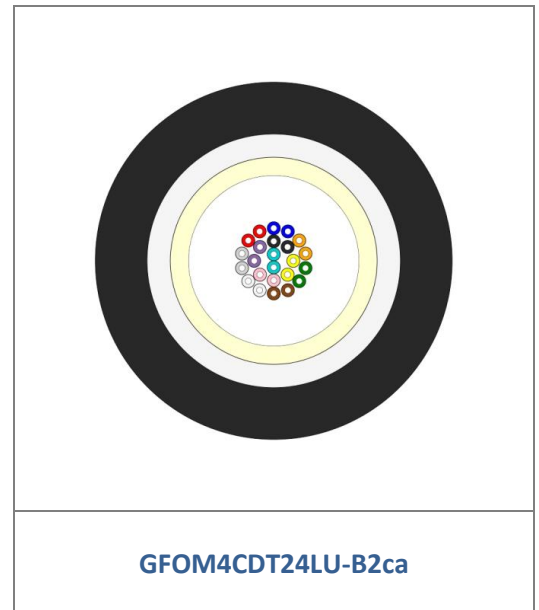
APPLICATION

Leviton B2_{CA} Central Dry Tube (CDT) cable family offers up to 24 fibres in a compact, gel free construction. CDT cable is compliant with the European Construction Products Regulation, achieving EuroClass level B2_{CA} according to EN 13501-6. CDT B2_{CA} 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 Fibre Counts - colour coded according to TIA-598-D
- Bend Insensitive Fibre 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 Armouring - 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 B2_{CA} (Black, UV stable as standard)
- 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 or Brand-Rex 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

FIBRE IDENTIFICATION

Fibre 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

Other fibres types are available on request.

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REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	EN50399 20.5kW source	B2 _{CA}
Smoke Emission	EN50399	s1a
Flaming Droplets / Particles	EN50399	d1
Acid Gas Emission / Acidity	EN 50267-2-3	a1
EuroClassification	EN13501-6	B2 _{CA} s1a d1 a1

PHYSICAL CHARACTERISTICS

Fibre 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

Fibre 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

Fibre 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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PRINT LEGEND

Example print legend:

[Length Mark]m LEVITON OPTICAL FIBRE CABLE GFOM4CDT24LU-B2ca 24 FIBRE 50/125 OM4
EN50399 Euroclass B2ca s1a d1 a1 HCA025 [ID number] [Week/Year]

PACKAGING INFO

Fibre 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 = Fibre Identifier* e.g. "108" for
G.657.A1 fibre

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

Example part number: GFOM4CDT24LU-B2ca

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