

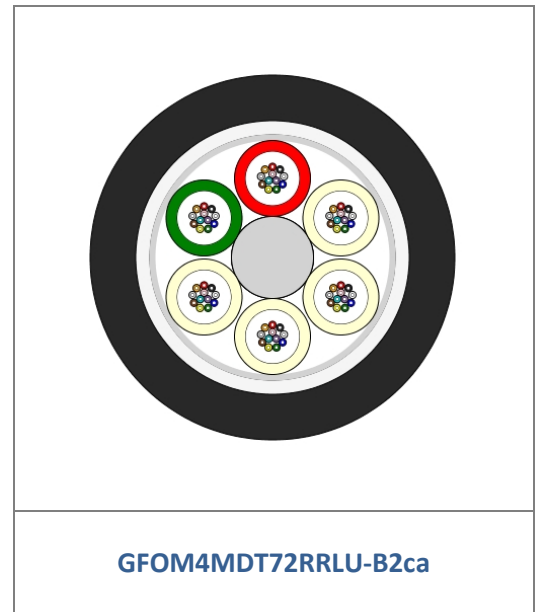
APPLICATION

Leviton B2ca Multiple Dry Tube (MDT) cables offer up to 72 fibers in a compact, gel free construction. MDT cable is compliant with the European Construction Products Regulation, achieving EuroClass level B2ca according to EN 13501-6. The MDT B2ca cables are suited to any high-density building backbone installation where people safety in the case of fire is a high priority.

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

FEATURES AND BENEFITS

- 12-72 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
- Multiple 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 enhanced 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 Warranty 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

Other fiber types are available on request.

Optical Multi Dry Tube B2ca Cables

Datasheet: GD104139v2



REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	EN50399 20.5kW source	B2ca
Smoke Emission	EN50399	s1a
Flaming Droplets / Particles	EN50399	d1
Acid Gas Emission / Acidity	EN 50267-2-3	a1
Classification / EuroClass	EN13501-6	B2ca s1a d1 a1

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
12-60	1.6	8.8	85
72	1.6	9.1	90

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/dm)	Impact Resistance	Max. Torsion (Turns \pm 180°)
12-60 72	750	2500	15 x Cable Diameter	20 x Cable Diameter	2000	3 impacts 1.5 Nm	5

TEMPERATURE PERFORMANCE

Fiber Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
12-72	-20°C to + 60°C	-20°C to + 60°C	-5°C to + 50°C

PACKAGING INFO

Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
12-60	1000 x 590	1200 x 840	185	425	2	1
72	1000 x 590	1200 x 840	195	445	1	1

PART NUMBER CONFIGURATOR

GF- a - MDT - b - RRLU-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: GFOM4MDT72RRLU-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.