

APPLICATION

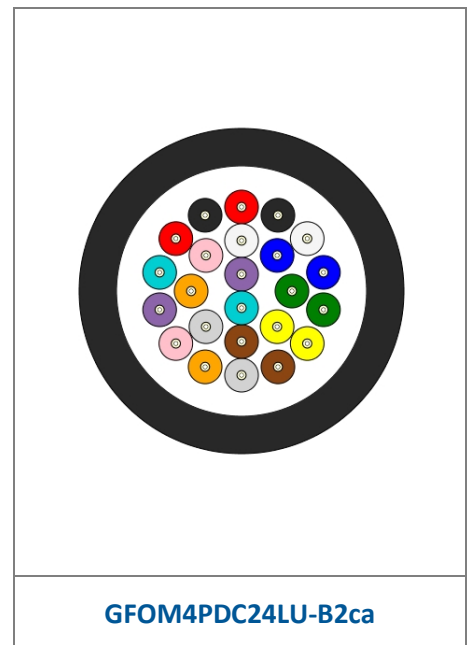
Leviton EuroClass B2ca Premise Distribution Cables (PDCs) are compliant with the European Construction Products Regulation, achieving EuroClass B2ca according to EN 13501-6. These EuroClass B2ca cables also have optimum levels of smoke emission, flaming droplets, and acid gas production, making them a versatile choice for most internal installations. PDC B2ca cables are suited to any high-density backbone installation where people safety in the case of fire is a high priority.

Leviton PDCs offer up to 24 tight-buffered fibers in a compact cable construction. The product range is designed using non-wicking yarns and UV stable halogen-free flame retardant (HFFR-LS) sheathing material as standard. Leviton PDCs are designed for use in structured cabling installations including data centers, LANs, SANs, and longer length backbones.

FEATURES AND BENEFITS

- 2-24 HFFR-LS* tight-buffered fibers – color-coded according to TIA-598-D
- Customizable fiber selection including single-mode, multimode and hybrid versions to suit a variety of applications
- Flexible strength members in the form of glass yarns for improved installation preparation time and rodent resistance
- Enhanced HFFR-LS and UV stable jacket as standard
- EuroClass B2ca exceeds the performance of EuroClass Cca, Dca, and Eca and can be used in applications where these are specified
- Exceeds the mechanical and environmental performance defined by IEC 60794-2-20
- Included in the Leviton Limited 25-Year System Warranty when used in conjunction with Leviton connectivity. System warranties are available for qualified projects installed by certified contractors

* Halogen Free Flame Retardant – Low Smoke



STANDARDS

Applicable Cable Standards: IEC 60794-2-20
Test Standards: IEC 60794-1-21 and IEC 60794-1-22

FIBER IDENTIFICATION

Fiber Identifier*	008	108	208	062	050	OM3	OM4
IEC 60793 Reference	2-50-B1.3	2-50-B6_a	2-50-B6_a	2-10-A1b	2-10-A1a.1	2-10-A1a.2	2-10-A1a.3
ITU-T Recommendation	G.652.D	G.657.A1	G.657.A2	N/A	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1a/OS2	OS1a/OS2	OS1a/OS2	OM1	OM2	OM3	OM4

Premise Distribution Cables, EuroClass B2ca

Datasheet: GD103099v8



REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	EN 50399 20.5kW source	B2ca
Smoke Production	EN 50399	s1a
Flaming Droplets/Particles	EN 50399	d0
Acid Gas Emission/Acidity	EN 50267-2-3	a1
Classification / EuroClass	EN 13501-6	B2ca s1a d0 a1

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)
2	0.9	5.7	36
4		5.9	40
6		6.3	45
8		6.9	53
12		7.5	62
16		8.1	72
24		9.3	89

MECHANICAL PERFORMANCE

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend	Min. Dynamic Bend	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns \pm 180°)
2-6	400	1000	10 x Cable Diameter	15 x Cable Diameter	1000	5	5
8	441	1500					
12	519	1600					
16	608	2000					
24	765	2300					

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	-10°C to + 60°C

PACKAGING INFO

Part Number	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
GF*PDC02LU-B2ca	915 x 460	915 x 460	83	143	2	2
GF*PDC04LU-B2ca	915 x 460	915 x 460	89	155	2	2
GF*PDC06LU-B2ca	915 x 460	915 x 460	98	174	2	2
GF*PDC08LU-B2ca	915 x 460	1070 x 510	113	214	2	2
GF*PDC12LU-B2ca	915 x 460	1070 x 510	129	245	2	2
GF*PDC16LU-B2ca	915 x 460	1070 x 510	147	282	2	2
GF*PDC24LU-B2ca	1070 x 510	1200 x 700	189	348	2	1

* Fiber Identifier e.g. "008" for G.652.D fiber

COUNTRY OF ORIGIN

COO: United Kingdom

*"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.