Premise Distribution Cables, EuroClass B2ca & OFNR

Datasheet: GD103099v9

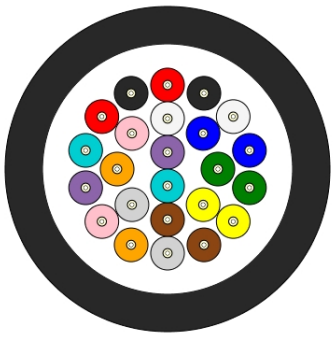
APPLICATION

Leviton Premise Distribution Cables (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 (EuroClass B2ca and OFNR) also have optimum levels of smoke emission, flaming droplets, and acid gas production, making them a versatile choice for internal installations where people safety in the event of fire is a priority. Leviton PDCs are designed for use in structured cabling installations including data centers, LANs, SANs, longer length backbones and building risers.

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
- UL Riser rated (OFNR)
- 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*



GFOM4PDC24LU-B2ca

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

REACTION TO FIRE

CHARACTERISTIC	IEC STANDARD	EN STANDARD	UL RATING	CPR RATING
Classification / EuroClass	-	EN 13501-6	-	B2ca s1a d0 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	UL 1666 Riser	-

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 ± 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.**"*

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