

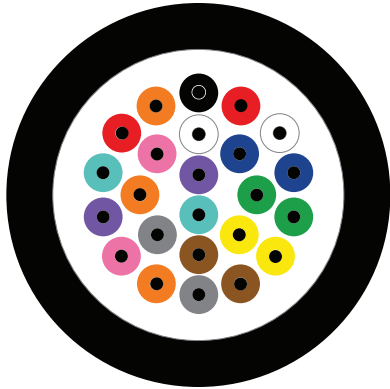
PRODUCT SPECIFICATIONS

Premise Distribution Cables, Euroclass Eca

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APPLICATION

Leviton Premise Distribution Cables (PDCs) offer up to 24 tight-buffered fibers in a compact cable construction. The product range is designed with non-wicking yarns and UV stable Halogen-Free Flame-Retardant Low-Smoke (HFFR-LS) sheathing material as standard. These cables are suitable for use in structured cabling installations, including data centers, LANs, SANs, and longer length backbones.



FEATURES & BENEFITS

- 2-24 Halogen-Free Flame-Retardant Low-Smoke (HFFR-LS) jacketed 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 high-tensile yarns for improved installation preparation time
- Exceeds the mechanical and environmental performance defined by IEC 60794-2-20
- Black UV Stable HFFR-LS material meets the requirements of the Construction Products Regulation (CPR) Euroclass Eca
- CE marked for CPR

STANDARDS & REGULATIONS

- IEC 60794-2-20
- IEC 60794-1-21
- IEC 60794-1-22

COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

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TECHNICAL SPECIFICATIONS

Construction

Type of cable | Tight Buffer

Usage Characteristics

Temp. (Storage):	-20 °C to +60 °C (-4 °F to +140 °F)
Temp. (Installation):	-10 °C to +60 °C (10°F to +140 °F)
Temp. (Operating):	-20 °C to +60 °C (-4 °F to +140 °F)

REACTION TO FIRE

Characteristics	IEC Standard	EN Standard	CPR Rated Product
Material Description	—	—	HFFR-LS
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Acid Gas Emission	IEC 60754-2	—	Pass
Classification / Euroclass	—	EN 13501-6	Eca

TECHNICAL DATA - PHYSICAL

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°)	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)
2	400	1000	10x Cable Diameter	15x Cable Diameter	1000	5	5	0.9	5.3	30
4	400	1000							5.5	33
6	400	1000							5.9	38
8	441	1500							6.5	45
12	519	1600							7.1	53
16	608	2000							7.7	62
24	765	2300							8.9	78

OPTICAL PERFORMANCE

Fiber Identifier	108	208	062	OM3	OM4	OM5
IEC 60793 Reference	2-50-B6_a	2-50-B6_a	2-10-A1b	2-10-A1a.2	2-10-A1a.3	-2-10 A1-OM5
ITU-T Recommendation	G.657.A1	G.657.A2	—	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1a/OS2	OS1a/OS2	OM1	OM3	OM4	OM5
Effective Modal Bandwidth @850nm (MHz.km)	—	—	—	≥2000	≥4700	≥4700
Overfilled Launch Bandwidth @850nm (MHz.km)	—	—	—	≥1500	≥3500	≥3500
Attenuation @850nm (dB/km)	—	—	—	≤2.80	≤2.80	≤2.80
Attenuation @1300nm (dB/km)	—	—	—	≤0.80	≤0.80	≤0.80
Attenuation @1310nm (dB/km)	≤0.38	≤0.38	—	—	—	—
Attenuation @1550nm (dB/km)	≤0.25	≤0.25	—	—	—	—

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PACKAGING						
Fiber Count	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2	710 x 390	915 x 460	77	143	3	2
4	710 x 390	915 x 460	83	155	3	2
6	915 x 460	915 x 460	98	174	2	2
8	915 x 460	1070 x 510	113	214	2	2
12	915 x 460	1070 x 510	129	245	2	2
16	915 x 460	1070 x 510	149	286	2	2
24	915 x 460	1200 x 700	179	348	2	1

PART NUMBER CONFIGURATOR

Sample Part Number: [GF OM4 PDC 24 LU - Eca](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS
						LU	HFFR-LS	Eca
GF	108	SM G657A1	PDC	Premise Distribution Cable	02	LU	HFFR-LS	Eca
	208	SM G657A2			04			
	062	MM OM1			06			
	OM3	MM OM3			08			
	OM4	MM OM4			12			
	OM5	MM OM5			16			
				24				

For further support information, visit Leviton.com/ns/support