

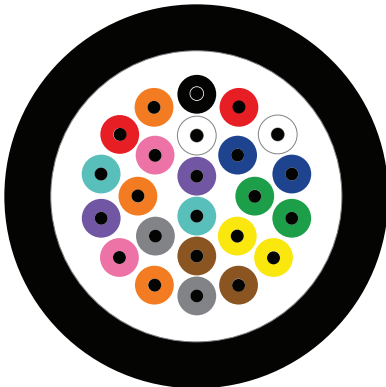
PRODUCT SPECIFICATIONS

Premise Distribution Cables, Euroclass Dca

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APPLICATION

Leviton Premise Distribution Euroclass Dca Cables (PDCs) are compliant with the European Construction Products Regulation (CPR), achieving Euroclass Dca according to EN 13501-6. Euroclass Dca cables also have superior low levels of smoke emission, flaming droplets, and acid gas production, making them a versatile choice for many internal installations. Leviton PDC Euroclass Dca cables are suited to low-density backbone installations. 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 Low-Smoke (HFFR-LS) sheathing material as standard. Leviton PDCs are suitable for use in structured cabling installations including data centers, LANs, SANs, and longer length backbones.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

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

FEATURES & BENEFITS

- 4-24 (HFFR-LS) sheathed 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
- Black UV Stable HFFR-LS material meets the requirements of the (CPR) Euroclass Dca
- Exceeds the mechanical and environmental performance defined by IEC 60794-2-20
- CE marked for CPR

STANDARDS & REGULATIONS

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

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TECHNICAL SPECIFICATIONS

Construction

Type of cable	Tight Buffer
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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
Single Cable Flame Rating	IEC 60332-1-2	—	Pass
Smoke Emission	—	EN 50399	s1
Acid Gas Emission	—	EN 50267-2-3	a1
Bundled Cable Flame Rating	—	EN 50399 20.5kW	Dca
Flaming Droplets/Particles	—	EN 50399	d1
Classification / Euroclass	—	EN 13501-6	Dca s1 d1 a1

TECHNICAL SPECIFICATIONS

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)
4	400	1000	10x Cable Diameter	15x Cable Diameter	1000	5	5	0.9	5.5	40
6	400	1000							5.9	45
8	441	1500							6.5	53
12	519	1600							7.1	62
16	608	2000							7.7	72
24	765	2300							8.9	89

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
4	710 x 380	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	1
12	915 x 460	1070 x 510	129	245	2	1
16	915 x 460	1070 x 510	147	282	2	1
24	915 x 460	1200 x 700	179	348	2	1

PART NUMBER CONFIGURATOR

Sample Part Number: [GF](#) [108](#) [PDC](#) [04](#) [LU](#) - [Dca](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS
GF	108	SM G657A1	PDC	Premise Distribution Cable	02	LU	HFFR-LS	Dca
	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](https://leviton.com/ns/support)

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