

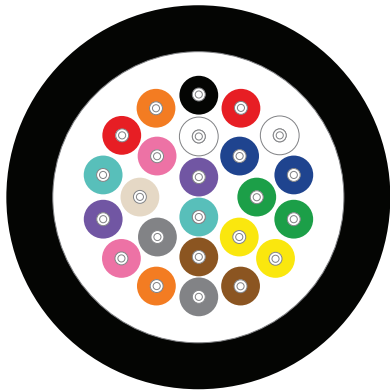
PRODUCT SPECIFICATIONS

Premise Distribution Cables, EuroClass Dca

Premise Distribution Cables EuroClass Dca

APPLICATION

Leviton Premise Distribution EuroClass Dca Cables (PDCs) are compliant with the European Construction Products Regulation, 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. 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 Halogen-free flame-retardant low-smoke (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 Construction Products Regulation (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
Jacket material	HFFR-LS Sheathing
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	RATING
Classification / EuroClass	—	EN 13501-6	Dca s1 d1 a1
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

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

FIBER IDENTIFICATION

Fiber Identifier*	008	108	208	062	OM3	OM4
IEC 60793 Reference	2-50-B1.3	2-50-B6_a	2-50-B6_a	2-10-A1b	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
ISO/IEC 11801 Category	OS1a/OS2	OS1a/OS2	OS1a/OS2	OM1	OM3	OM4

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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 008 PDC 04 LU - Dca](#)

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS
GF	008	SM G652D	PDC	Premise Distribution Cable	02	LU	HFFR-LS	Dca
	108	SM G657A1			04			
	208	SM G657A2			06			
	062	MM OM1			08			
	OM3	MM OM3			12			
	OM4	MM OM4			16			
	OM5	MM OM5			24			

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

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USA
 Network Solutions Headquarters
 +1 (800) 722.2082
infoUSA@leviton.com
 Leviton Cable (formerly Berk-Tek)
 +1 (800) 237 5835 | infoUSA@leviton.com

Asia Pacific
 +852 3620 2602
infoAPAC@leviton.com

Canada
 +1 (800) 461 2002
infoCanada@leviton.com

Europe
 +44 (0) 1592 772124
infoEurope@leviton.com

Latin America
 MX: +52 (55) 2128 6286
 LATAM: +52 (55) 2333 5963
infoLATAM@leviton.com

Middle East & Africa
 +971 (4) 247 9800
infoMEA@leviton.com

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