

## 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 and UKCA marked for CPR

### STANDARDS & REGULATIONS

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

**PRODUCT SPECIFICATIONS**  
**Premise Distribution Cables, EuroClass Dca**

**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

**PRODUCT SPECIFICATIONS**  
**Premise Distribution Cables, EuroClass Dca**



Premise Distribution Cables, EuroClass Dca

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](http://Leviton.com/NS/Support)

Page 3 of 3

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

**Asia Pacific**  
 +852 3620 2602  
[infoAPAC@leviton.com](mailto:infoAPAC@leviton.com)

**Canada**  
 +1 (800) 461 2002  
[infoCanada@leviton.com](mailto:infoCanada@leviton.com)

**Europe**  
 +44 (0) 1592 772124  
[infoEurope@leviton.com](mailto:infoEurope@leviton.com)

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

**Middle East & Africa**  
 +971 (4) 247 9800  
[infoMEA@leviton.com](mailto:infoMEA@leviton.com)

NETWORK SOLUTIONS PRODUCTS ARE AVAILABLE WORLDWIDE IN OVER 100 COUNTRIES. VISIT US ONLINE AT [LEVITON.COM/NS](http://LEVITON.COM/NS) TO LEARN MORE.