

APPLICATION

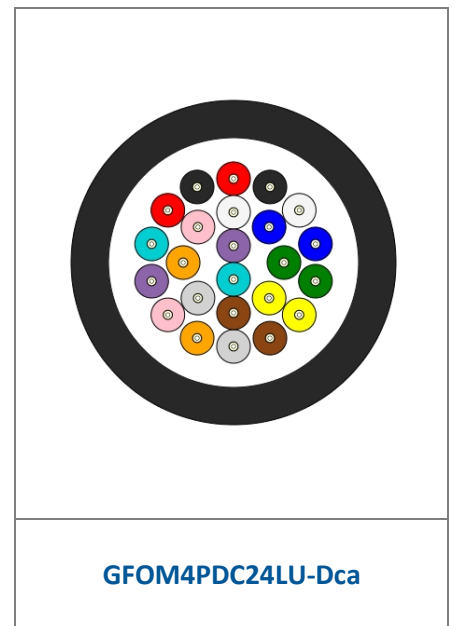
Leviton Dca Premises Distribution Cables are compliant with the European Construction Products Regulation, achieving EuroClass level Dca according to EN 13501-6. Dca EuroClass cables also have superior levels of smoke emission, flaming droplets and acid gas production making them a versatile choice for many internal installations. PDC Dca EuroClass 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: data centers, LANs, SANs and longer length backbones.

FEATURES AND BENEFITS

- 4-24 Halogen Free Flame Retardant Low Smoke (HFFR-LS) sheathed tight buffered fibers - color coded according to TIA-598-C
- Customizable fiber selection singlemode, 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 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
- 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



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	OS1/OS2	OS1/OS2	OS1/OS2	OM1	OM2	OM3	OM4

*Fiber Identifier e.g. "008" for G.652.D fiber

Optical Premises Distribution EuroClass Dca Cables

Datasheet: GD103593v2



REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	EN 50399 20.5kW source	Dca
Smoke Production	EN 50399	s1
Flaming Droplets/Particles	EN 50399	d1
Acid Gas Emission/Acidity	EN 50267-2-3	a1
EuroClassification	EN 13501-6	Dca s1 d1 a1

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)
4	0.9	5.5	40
6		5.9	45
8		6.5	53
12		7.1	62
16		7.7	72
24		8.9	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 \pm 180°)
4-6	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
4-24	-20°C to + 60°C	-20°C to + 60°C	-10°C to + 60°C

Optical Premises Distribution EuroClass Dca Cables

Datasheet: GD103593v2



PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE GFOM4PDC24LU-Dca 24 FIBRE 50/125 OM4 EN 50399 Euroclass Dca s1 d1 a1 MADE IN UK [ID number] [Week/Year]

PACKAGING INFO

Part Number	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
GF*PDC04LU-Dca	710 x 380	915 x 460	83	155	3	2
GF*PDC06LU-Dca	915 x 460	915 x 460	98	174	2	2
GF*PDC08LU-Dca	915 x 460	1070 x 510	113	214	2	1
GF*PDC12LU-Dca	915 x 460	1070 x 510	129	245	2	1
GF*PDC16LU-Dca	915 x 460	1070 x 510	147	282	2	1
GF*PDC24LU-Dca	915 x 460	1200 x 700	179	348	2	1

* Fiber Identifier e.g. "008" for G.652.D fiber

"Leviton is dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions"

The information contained in this document is valid and correct at the time of issue. Leviton reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.