

APPLICATION

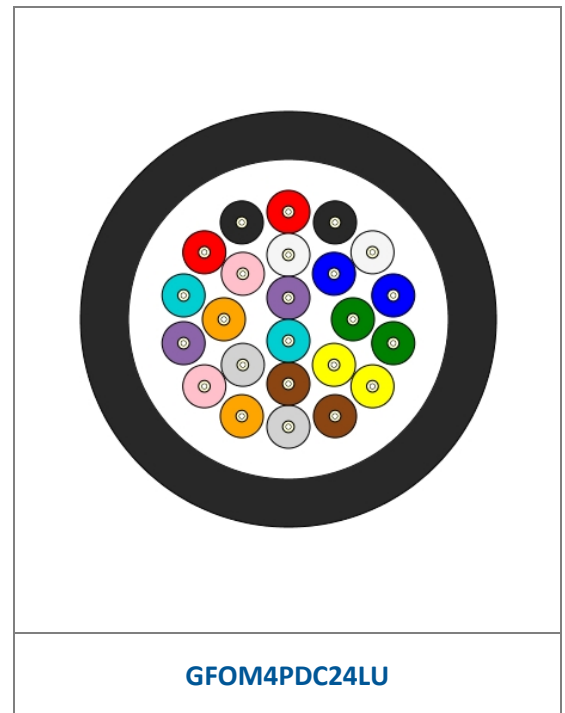
Leviton Premise Distribution Cables (PDCs) offer up to 24 tight-buffered fibers in a compact cable construction. The product range is designed with non-wicking yarns and UV stable halogen-free flame-retardant low-smoke (HFFR-LS) sheathing material as standard.

These cables are suitable for use in structured cabling installations, including data centers, LANs, SANs, and longer length backbones.

FEATURES AND BENEFITS

- 2-24 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
- UV Stable HFFR-LS outer jacket
- Exceeds the mechanical and environmental performance defined by IEC 60794-2-20
- UV stable HFFR-LS sheathing meets the requirements of the Construction Products Regulation (CPR) EuroClass Eca
- 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

*Halogen-Free Flame-Retardant Low-Smoke



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	OS1a/OS2	OS1a/OS2	OS1a/OS2	OM1	OM2	OM3	OM4

MATERIAL IDENTIFICATION

Material Identifier**	LU	LUHF3
Material Description	Standard HFFR-LS	Enhanced HFFR-LS
Flammability Rating	IEC 60332-1-2	IEC 60332-3-24
Fire EuroClass EN13501-6	Eca	Eca
Acid Gas Emission	IEC 60754-2	IEC 60754-2
Color	Black	Black

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)	
			LU	LUHF3
2	0.9	5.3	30	31
4		5.5	33	34
6		5.9	38	39
8		6.5	45	47
12		7.1	53	55
16		7.7	62	64
24		8.9	78	80

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°)
2-6	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
2-24	-20°C to + 60°C	-20°C to + 60°C	-10°C to + 60°C

PACKAGING INFO

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

a - b - PDC - c - d - Eca

a = **GF** for standard design
EF for Enhanced LSHF

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

c = 2-digit fiber count
e.g. "02" for 2 fiber cable

d = Material Identifier**
e.g. "LU" for standard LSHF

Example part number: GFOM4PDC24LU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom

"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.