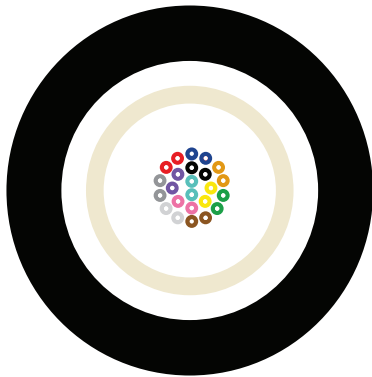


Duct-Grade Unitube Cables

APPLICATION

Leviton Duct-Grade Unitube Cable family offers up to 24 fibers in a compact cable construction. The range is lighter and smaller than Multi Loose Tube alternatives and offers a robust and resilient solution. Duct-Grade Unitube cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.



FEATURES & BENEFITS

- 2-24 fiber counts – color-coded according to TIA-598-D
- Customizable fiber selection including Single-Mode, OM1, OM3, OM4, OM5 and hybrid versions to suit a variety of applications
- Single gel-filled loose-tube to block the ingress of water
- Glass yarn armoring in the form of high tensile yarns to offer strength and basic rodent protection
- Available in a range of sheath materials to suit a variety of installation environments
- Halogen-Free Flame Retardant Low-Smoke (HFFR-LS) versions meet the requirements of the Construction Products Regulation (CPR) Euroclass Eca
- CE marked for CPR

STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- BS EN 50173-1
- IEC 60794-1-21
- IEC 60794-1-22
- IEC 60794 -1-22-F5C (up to inner sheath only)

COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

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

PRODUCT SPECIFICATIONS

GFxxxUNlxxLU-Eca

TECHNICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
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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 (14 °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	External Product
Material Description	—	—	HFFR-LS	Polyethylene
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass	N/A - External Only
Classification / Euroclass	—	EN 13501-6	Eca	N/A - External Only

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)	Nom. Tube Diameter (mm)	Nominal Cable Diameter (kg/km)		Nominal Cable Weight (kg/km)	
									LU	NM	LU	NM
2-12	442	1000	10x Cable Diameter	15x Cable Diameter	1500	3	5	2.9	5.8	5.8	37	28
16-24	569							4.0	6.9	6.9	48	38

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	—	—	—	—

PACKAGING

Fiber Count	Material Identifier	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
		2km	4km	2km	4km	2km	4km
2-12	LU	915 x 460	915 x 460	94	168	2	2
	NM			78	134		
16-24	LU		1070 x 510	118	223		1
	NM			97	182		

PRODUCT SPECIFICATIONS

GFxxxUNlxxLU-Eca

PART NUMBER CONFIGURATOR

Sample Part Number: **GF OM4 UNI 24 LU - Eca**

DESIGN	FIBER TYPE		CONSTRUCTION		FIBER COUNT	OUTER SHEATH		EUROCLASS
GF	108	SM G657A1	UNI	Unitube	02	LU	HFFR-LS	Eca
	208	SM G657A2			04	NM	PE	
	062	MM OM1			06			
	OM3	MM OM3			08			
	OM4	MM OM4			12			
	OM5	MM OM5			16			
					24			

GFxxxUNlxxLU-Eca

PART NUMBERS - CPR	
Description	Part No.
4 Fiber Singlemode G.657.A1 – Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI04LU-Eca
6 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI06LU-Eca
8 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI08LU-Eca
12 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI12LU-Eca
24 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI24LU-Eca
4 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI04LU-Eca
6 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI06LU-Eca
8 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI08LU-Eca
12 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI12LU-Eca
24 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI24LU-Eca
4 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI04LU-Eca
6 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI06LU-Eca
8 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI08LU-Eca
12 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI12LU-Eca
24 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI24LU-Eca
4 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI04LU-Eca
6 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI06LU-Eca
8 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI08LU-Eca
12 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI12LU-Eca
24 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI24LU-Eca

PRODUCT SPECIFICATIONS
GFxxxUNlxxLU-Eca



GFxxxUNlxxLU-Eca

PART NUMBERS - EXTERNAL

Description	Part No.
4 Fiber Singlemode G.657.A1 – Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GF108UNI04NM
6 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GF108UNI06NM
8 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GF108UNI08NM
12 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GF108UNI12NM
24 Fiber Singlemode G.657.A1 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GF108UNI24NM
4 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM3UNI04NM
6 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM3UNI06NM
8 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM3UNI08NM
12 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM3UNI12NM
24 Fiber Multimode OM3 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM3UNI24NM
4 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM4UNI04NM
6 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM4UNI06NM
8 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM4UNI08NM
12 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM4UNI12NM
24 Fiber Multimode OM4 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM4UNI24NM
4 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM5UNI04NM
6 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM5UNI06NM
8 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM5UNI08NM
12 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM5UNI12NM
24 Fiber Multimode OM5 - Duct Grade Unitube, LSHF/LSZH, External PE Sheath	GFOM5UNI24NM

For further support information, visit [Leviton.com/ns/support](https://leviton.com/ns/support)

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