Optical Duct-Grade Unitube Cables
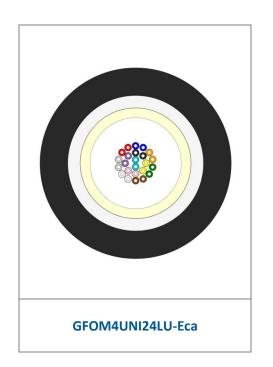
Datasheet: GD103097v4

LEVITON

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 solution capable of withstanding standard installation practices.

Leviton Duct-Grade Unitube Cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.

FEATURES AND BENEFITS

- 2-24 fiber counts - color coded according to TIA-598-D
- Customizable fiber selection - single-mode, multimode 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 - Black and UV Stable as standard to suit a variety of installation environments
- HFFR-LS* versions meet the requirements of the Construction Products Regulation (CPR) EuroClass Eca
- Included in the Leviton 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 (HFFR-LS)

GFOM4UNI24LU-Eca

STANDARDS

Applicable Cable Standards:	ISO/IEC 11801, IEC 60794 and BS EN 50173-1
Test Standards:	IEC 60794-1-21 and IEC 60794-1-22
Water Penetration:	IEC 60794 -1-22-F5C

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

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MATERIAL IDENTIFICATION

Material Identifier**	LU	LUHF3	NM
Material Description	Standard HFFR-LS	Enhanced HFFR-LS	PE - Polyethylene
Flammability Rating	IEC 60332-1-2	IEC 60332-3-24	N/A – External Only
Smoke Emission	IEC 61034-1 & 2	IEC 61034-1 & 2	N/A – External Only
Fire EuroClass EN13501-6	Eca	Eca	N/A – External Only
Acid Gas Emission	IEC 60754-2	IEC 60754-2	N/A – External Only
Color	Black	Black	Black

PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)			Nom. Cable Weight (kg/km)		
		LU	LUHF3	NM	LU	LUHF3	NM
2-12	2.9	5.8	6.3	5.8	37	45	28
16-24	4.0	6.9	7.4	6.9	48	58	38

MECHANICAL PERFORMANCE

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend (mm)	Min. Dynamic Bend (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180º)
2-12	442	1000	10 x Cable Diameter	15 x Cable Diameter	1500	3	5
16-24	569						

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

PRINT LEGEND

Example print legend:

**[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE GFOM4UNI24LU-Eca
24 FIBRE 50/125 OM4 IEC 60332-1-2 Euroclass Eca MADE IN UK [ID number] [Week/Year]**

PACKAGING INFO

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
	LUHF3	915 x 460	1070 x 510	112	212	2	2
	NM	915 x 460	915 x 460	78	134	2	2
16-24	LU	915 x 460	1070 x 510	118	223	2	2
	LUHF3	915 x 460	1070 x 510	138	264	2	2
	NM	915 x 460	1070 x 510	97	182	2	2

PART NUMBER CONFIGURATOR

a - b - UNI - c - d - Eca

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

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

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

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

Example part number: GFOM4UNI24LU-Eca

*"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.