Duct-Grade Unitube Cable

Datasheet: GD103097v7

APPLICATION

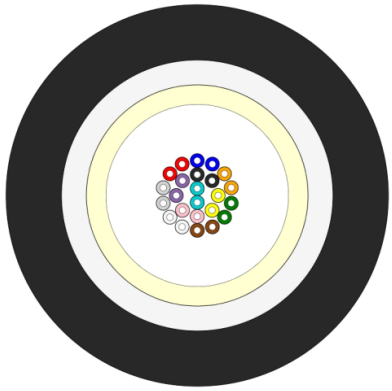
Leviton Duct-Grade Unitube cables offer up to 24 fibers in a compact cable construction. The range is lighter and smaller than multi-loose-tube alternatives and offers a robust solution capable of withstanding standard installation practices.

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-C
- Customizable fiber selection including 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 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

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 ± 180°)*
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

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	1
	LUHF3	915 x 460	1070 x 510	138	264	2	1
	NM	915 x 460	1070 x 510	97	182	2	1

PART NUMBER CONFIGURATOR

a - b - UNI - 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: GFOM4UNI24LU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom