

Glass Yarn Armored Unitube Cable, EuroClass Eca

Datasheet: GD101993v7



APPLICATION

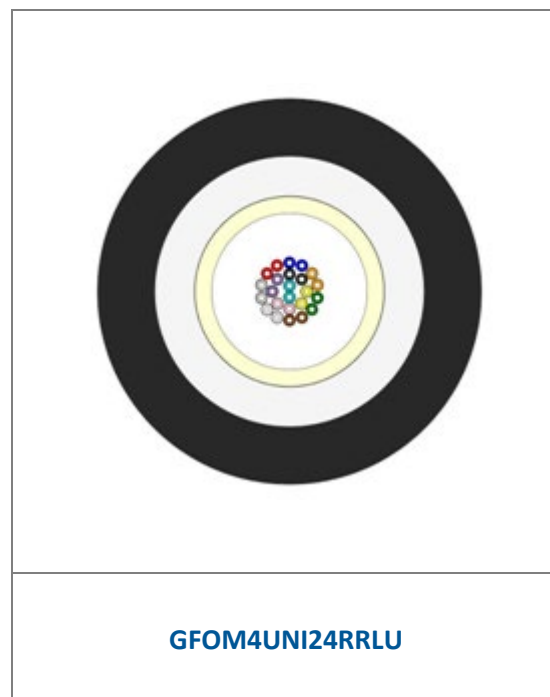
Leviton Glass Yarn Armored Unitube cables offer up to 24 fibers in a compact cable construction. The range offers enhanced rodent protection and mechanical properties over the Duct-Grade Unitube product range.

Glass Yarn Armored 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 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 to offer higher strength and enhanced 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 Limited 25-Year System Warranties 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: 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	OS1/OS2	OS1/OS2	OS1/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
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

[†] Halogen Free Flame Retardant – Low Smoke

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	7.4	7.4	7.4	63	64	50
16-24	4.0	8.1	8.1	8.1	73	75	58

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 \pm 180°)
2-12	628	2800	10 x Cable Diameter	15 x Cable Diameter	2000	5	5
16-24	736						

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	1070 x 510	148	357	2	2
	LUHF3	915 x 460	1070 x 510	151	290	2	2
	NM	915 x 460	1070 x 510	122	231	2	2
16-24	LU	915 x 460	1070 x 510	168	323	2	2
	LUHF3	915 x 460	1070 x 510	172	331	2	2
	NM	915 x 460	1070 x 510	139	265	2	2

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PART NUMBER CONFIGURATOR

a - b - UNI - c - RR - 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: GFOM4UNI24RRLU-Eca.

COUNTRY OF ORIGIN

COO: United Kingdom

*"Leviton is **dedicated** to **designing, developing and manufacturing** sustainable **high performance** structured cabling and specialty **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.