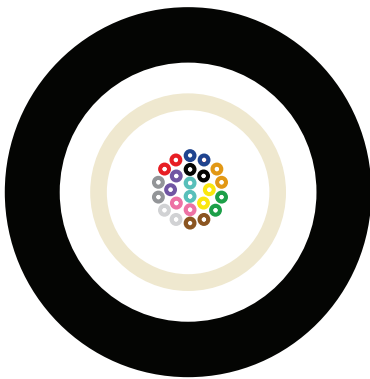


Glass Yarn Armored Unitube Cables

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 duct or cable tray installations in building and campus backbone applications.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

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

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
- Available in a range of UV stable 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)

PRODUCT SPECIFICATIONS

Glass Yarn Armored Unitube Cables

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

OPTICAL PERFORMANCE

Fiber Identifier	008	108	208	062	OM3	OM4	OM5
IEC 60793 Reference	2-50-B1.3	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.652.D	G.657.A1	G.657.A2	—	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1a/OS2	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	≤0.38	—	—	—	—
Attenuation @1550nm (dB/km)	≤0.25	≤0.25	≤0.25	—	—	—	—

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)	Nom. Cable Diameter (kg/km)		Nom. Cable Weight (kg/km)	
									LU	NM	LU	NM
2-12	628	2800	10x Cable Diameter	15x Cable Diameter	2000	5	5	2.9	7.4	7.4	63	50
16-24	736							4.0	8.1	8.1	73	58

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	1070 x 510	148	357	2	2
	NM			122	231		
16-24	LU			168	323		
	NM			139	265		

PRODUCT SPECIFICATIONS

Glass Yarn Armored Unitube Cables

PART NUMBER CONFIGURATOR

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

DESIGN		FIBER TYPE		CONSTRUCTION		FIBER COUNT	ARMORING		OUTER SHEATH		EUROCLASS
GF		008	SM G652D	UNI	Unitube	02	RR	Layer of Glass Yarns	LU	HFFR-LS	Eca
EF		108	SM G657A1			04			NM	PE	
		208	SM G657A2			06					
		062	MM OM1			08					
		OM3	MM OM3			12					
		OM4	MM OM4			16					
		OM5	MM OM5			24					

PART NUMBERS - CPR RATED

Description	Part No.
4 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI04RRLU-Eca
6 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI06RRLU-Eca
8 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI08RRLU-Eca
12 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI12RRLU-Eca
24 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GF108UNI24RRLU-Eca
4 Fiber Multimode OM3 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI04RRLU-Eca
6 Fiber Multimode OM3 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI06RRLU-Eca
8 Fiber Multimode OM3 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI08RRLU-Eca
12 Fiber Multimode OM3 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI12RRLU-Eca
24 Fiber Multimode OM3 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM3UNI24RRLU-Eca
4 Fiber Multimode OM4 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI04RRLU-Eca
6 Fiber Multimode OM4 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI06RRLU-Eca
8 Fiber Multimode OM4 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI08RRLU-Eca
12 Fiber Multimode OM4 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI12RRLU-Eca
24 Fiber Multimode OM4 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM4UNI24RRLU-Eca
4 Fiber Multimode OM5 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI04RRLU-Eca
6 Fiber Multimode OM5 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI06RRLU-Eca
8 Fiber Multimode OM5 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI08RRLU-Eca
12 Fiber Multimode OM5 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI12RRLU-Eca
24 Fiber Multimode OM5 - Glass Yarn Armored Unitube, LSHF/LSZH, Euroclass Eca	GFOM5UNI24RRLU-Eca

PRODUCT SPECIFICATIONS

Glass Yarn Armored Unitube Cables



Glass Yarn Armored Unitube Cables

PART NUMBERS - EXTERNAL

Description	Part No.
4 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, External PE Sheath	GF108UNI04RRNM
6 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, External PE Sheath	GF108UNI06RRNM
8 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, External PE Sheath	GF108UNI08RRNM
12 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, External PE Sheath	GF108UNI12RRNM
24 Fiber Singlemode G.657.A1 - Glass Yarn Armored Unitube, External PE Sheath	GF108UNI24RRNM
4 Fiber Multimode OM3 - Glass Yarn Armored Unitube, External PE Sheath	GFOM3UNI04RRNM
6 Fiber Multimode OM3 - Glass Yarn Armored Unitube, External PE Sheath	GFOM3UNI06RRNM
8 Fiber Multimode OM3 - Glass Yarn Armored Unitube, External PE Sheath	GFOM3UNI08RRNM
12 Fiber Multimode OM3 - Glass Yarn Armored Unitube, External PE Sheath	GFOM3UNI12RRNM
24 Fiber Multimode OM3 - Glass Yarn Armored Unitube, External PE Sheath	GFOM3UNI24RRNM
4 Fiber Multimode OM4 - Glass Yarn Armored Unitube, External PE Sheath	GFOM4UNI04RRNM
6 Fiber Multimode OM4 - Glass Yarn Armored Unitube, External PE Sheath	GFOM4UNI06RRNM
8 Fiber Multimode OM4 - Glass Yarn Armored Unitube, External PE Sheath	GFOM4UNI08RRNM
12 Fiber Multimode OM4 - Glass Yarn Armored Unitube, External PE Sheath	GFOM4UNI12RRNM
24 Fiber Multimode OM4 - Glass Yarn Armored Unitube, External PE Sheath	GFOM4UNI24RRNM
4 Fiber Multimode OM5 - Glass Yarn Armored Unitube, External PE Sheath	GFOM5UNI04RRNM
6 Fiber Multimode OM5 - Glass Yarn Armored Unitube, External PE Sheath	GFOM5UNI06RRNM
8 Fiber Multimode OM5 - Glass Yarn Armored Unitube, External PE Sheath	GFOM5UNI08RRNM
12 Fiber Multimode OM5 - Glass Yarn Armored Unitube, External PE Sheath	GFOM5UNI12RRNM
24 Fiber Multimode OM5 - Glass Yarn Armored Unitube, External PE Sheath	GFOM5UNI24RRNM

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

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