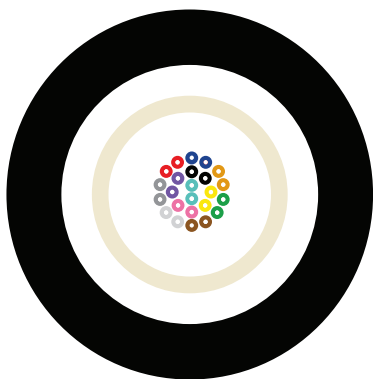


Glass Yarn Armored Unitube Cables

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 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
- Halogen Free Flame Retardant Low-Smoke (HFFR-LS) versions meet the requirements of the Construction Products Regulation (CPR) Euroclass Dca
- 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)

GFxxxUNlxxRRLU-Dca

PRODUCT SPECIFICATIONS

GFxxxUNlxxRRLU-Dca

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 Rating
Single Cable Flame Rating	IEC 60332-1-2	EN 60332-1-2	Pass
Cable Flame Rating	—	EN 50399	Dca
Smoke Emission	—	EN 50399	s2
Flaming Droplets/Particles	—	EN 50399	d2
Acid Gas Emission	IEC 60754-2	EN 60754-2	a1
Classification / Euroclass	—	EN 13501-6	Dca s2 d2 a1

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)
2-12	628	2800	10x Cable Diameter	15x Cable Diameter	2000	5	5	2.9	7.4	64.4
16-24	736							4.0	8.1	74.8

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	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
2-12	915 x 460	915 x 460	151	290	2	2
16-24	915 x 460	1070 x 510	172	332	2	2

PRODUCT SPECIFICATIONS

GFxxxUNlxxRRLU-Dca

PART NUMBER CONFIGURATOR

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

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

PART NUMBERS	
Description	Part No.
4 Fiber Glass Yarn Armored Unitube, Single-Mode G657A1, Universal LSHF/LSZH, Euroclass Dca	GF108UNI04RRLU-Dca
6 Fiber Glass Yarn Armored Unitube, Single-Mode G657A1, Universal LSHF/LSZH, Euroclass Dca	GF108UNI06RRLU-Dca
8 Fiber Glass Yarn Armored Unitube, Single-Mode G657A1, Universal LSHF/LSZH, Euroclass Dca	GF108UNI08RRLU-Dca
12 Fiber Glass Yarn Armored Unitube, Single-Mode G657A1, Universal LSHF/LSZH, Euroclass Dca	GF108UNI12RRLU-Dca
24 Fiber Glass Yarn Armored Unitube, Single-Mode G657A1, Universal LSHF/LSZH, Euroclass Dca	GF108UNI24RRLU-Dca
4 Fiber Glass Yarn Armored Unitube, Multimode OM3, Universal LSHF/LSZH, Euroclass Dca	GFOM3UNI04RRLU-Dca
6 Fiber Glass Yarn Armored Unitube, Multimode OM3, Universal LSHF/LSZH, Euroclass Dca	GFOM3UNI06RRLU-Dca
8 Fiber Glass Yarn Armored Unitube, Multimode OM3, Universal LSHF/LSZH, Euroclass Dca	GFOM3UNI08RRLU-Dca
12 Fiber Glass Yarn Armored Unitube, Multimode OM3, Universal LSHF/LSZH, Euroclass Dca	GFOM3UNI12RRLU-Dca
24 Fiber Glass Yarn Armored Unitube, Multimode OM3, Universal LSHF/LSZH, Euroclass Dca	GFOM3UNI24RRLU-Dca
4 Fiber Glass Yarn Armored Unitube, Multimode OM4, Universal LSHF/LSZH, Euroclass Dca	GFOM4UNI04RRLU-Dca
6 Fiber Glass Yarn Armored Unitube, Multimode OM4, Universal LSHF/LSZH, Euroclass Dca	GFOM4UNI06RRLU-Dca
8 Fiber Glass Yarn Armored Unitube, Multimode OM4, Universal LSHF/LSZH, Euroclass Dca	GFOM4UNI08RRLU-Dca
12 Fiber Glass Yarn Armored Unitube, Multimode OM4, Universal LSHF/LSZH, Euroclass Dca	GFOM4UNI12RRLU-Dca
24 Fiber Glass Yarn Armored Unitube, Multimode OM4, Universal LSHF/LSZH, Euroclass Dca	GFOM4UNI24RRLU-Dca
4 Fiber Glass Yarn Armored Unitube, Multimode OM5, Universal LSHF/LSZH, Euroclass Dca	GFOM5UNI04RRLU-Dca
6 Fiber Glass Yarn Armored Unitube, Multimode OM5, Universal LSHF/LSZH, Euroclass Dca	GFOM5UNI06RRLU-Dca
8 Fiber Glass Yarn Armored Unitube, Multimode OM5, Universal LSHF/LSZH, Euroclass Dca	GFOM5UNI08RRLU-Dca
12 Fiber Glass Yarn Armored Unitube, Multimode OM5, Universal LSHF/LSZH, Euroclass Dca	GFOM5UNI12RRLU-Dca
24 Fiber Glass Yarn Armored Unitube, Multimode OM5, Universal LSHF/LSZH, Euroclass Dca	GFOM5UNI24RRLU-Dca

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

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