

# Glass Yarn Armored Unitube Cable, EuroClass Dca

Datasheet: GD103698v2



## 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.

Leviton 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-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 to offer high strength and enhanced rodent protection
- Black† HFFR-LS\* sheath material
- Meets the Construction Products Regulation (CPR) EuroClass Dca
- 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  
† Also available in a range of non-standard colors

## STANDARDS

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

## REACTION TO FIRE

CHARACTERISTIC	STANDARD	RATING
Single Cable Flame Rating	IEC 60332-1-2	Pass
Bundled Cable Flame Rating	EN50399 20.5kW source	Dca
Smoke Emission	EN50399	s2
Flaming Droplets/Particles	EN50399	d2
Acid Gas Emission/Acidity	EN 50267-2-3	a1
EuroClassification	EN13501-6	Dca s2 d2 a1

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## PHYSICAL CHARACTERISTICS

Fiber Count	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
2-12	2.9	7.4	64.4
16-24	4.0	8.1	74.8

## 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 $\pm 180^\circ$ )
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	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

## PART NUMBER CONFIGURATOR

### GF - a - UNI - b - RRLU-Dca

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

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

Example part number: GFOM4UNI24RRLU-Dca.

## 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.