

Duct-Grade Unitube Cable, EuroClass Dca

Datasheet: GD103697v4

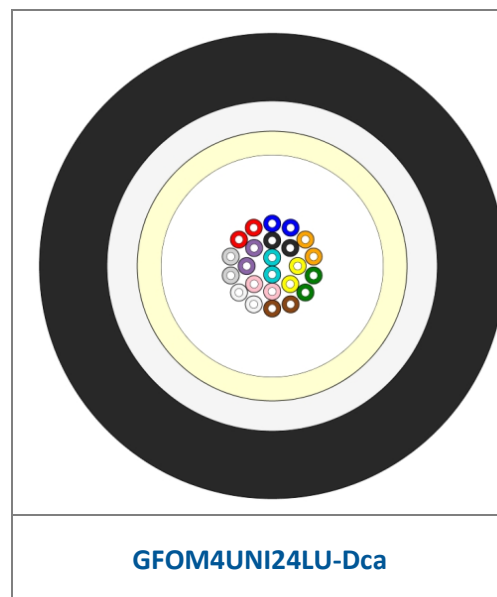


APPLICATION

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. Duct-Grade Unitube cables are suitable for internal/external duct and internal cable tray installations, in building and campus backbone applications.

FEATURES AND BENEFITS

- Customizable fiber selection including single-mode, multimode and hybrid versions to suit a variety of applications
- 2-24 fiber counts – color coded according to TIA-598-D
- Single gel-filled loose-tube to block the ingress of water
- Glass yarn armoring with high-tensile yarns to offer strength and basic rodent protection
- Black UV Stable HFFR-LS* jacket material suitable for indoor/outdoor installations
- Meets the requirements of Construction Products Regulation (CPR) EuroClass Dca
- 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



GFOM4UNI24LU-Dca

* Halogen-Free Flame-Retardant – Low-Smoke (HFFR-LS)

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	OS2	OS2	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
Classification	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	6.3	45
16-24	4.0	7.4	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	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	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	112	202	2	2
16-24	915 x 460	1070 x 510	138	264	2	1

PART NUMBER CONFIGURATOR

GF - a - UNI - b - LU-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: GFOM4UNI24LU-Dca

COUNTRY OF ORIGIN

COO: United Kingdom

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