Optical Duct Grade Unitube Dca Cables

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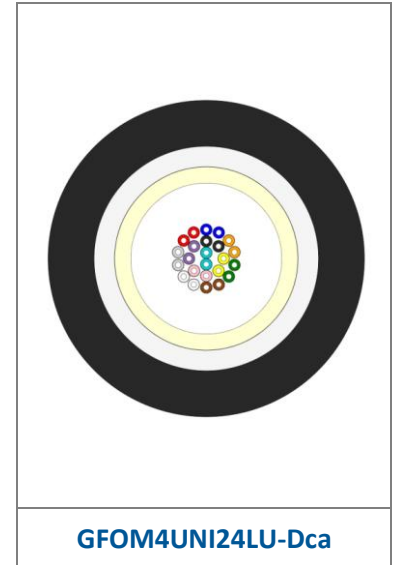
Brand-Rex | a **LEVITON** company

APPLICATION

The Brand-Rex Duct Grade Unitube Cable family offers up to 24 fibres 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.

The Brand-Rex Duct Grade Unitube Cables are suitable for internal/external duct and internal cable tray installations in building and campus backbone applications.

FEATURES AND BENEFITS

- 2-24 Fibre Counts - colour coded according to TIA-598-C
- Customisable Fibre Selection - Single-Mode, Multi-Mode and hybrid versions to suit a variety of applications
- Single Gel Filled Loose Tube – to block the ingress of water
- Glass Yarn Armouring - high tensile yarns to offer strength and basic rodent protection
- Black† HFFR-LS* Sheath Material
- Meets the Construction Products Regulation (CPR) Euroclass Dca
- Included in the Leviton and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex connectivity. System warranties available for qualified projects installed by certified contractors.

GFOM4UNI24LU-Dca

* Halogen Free Flame Retardant – Low Smoke
† Also available in a range of non-standard colours

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

FIBRE IDENTIFICATION

Fibre 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

PHYSICAL CHARACTERISTICS

Fibre 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

Fibre 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 ± 180°)*
2-12	442	1000	10 x Cable Diameter	15 x Cable Diameter	1500	3	5
16-24	569						

TEMPERATURE PERFORMANCE

Fibre 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

PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE GFOM4UNI24LU-Dca
24 FIBRE 50/125 OM4 EN50399 Euroclass Dca s2 d2 a1 MADE IN UK [ID number] [Week/Year]

PACKAGING INFO

Fibre 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	2

PART NUMBER CONFIGURATOR

<p align="center">GF - <u>a</u> - UNI - <u>b</u> - LU-Dca</p>

a = Fibre Identifier* e.g. "**008**" for G.652.D fibre

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

Example part number: GFOM4UNI24LU-Dca.

*"Brand-Rex 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. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.