

## APPLICATION

The Brand-Rex Premises Distribution Cable (PDC) family offers up to 24 tight buffered fibres in a compact cable construction. The product range is designed using non wicking yarns and UV stable Halogen Free Flame Retardant Low Smoke Halogen Free (HFFR-LS) sheathing material as standard.

Brand-Rex PDCs are suitable for use in structured cabling installations: data centres, LANs, SANs and longer length backbones.

## FEATURES AND BENEFITS

- 2-24 Halogen Free Flame Retardant Low Smoke HFFR-LS sheathed Tight Buffered Fibres - colour coded according to TIA-598-C
- Customisable Fibre Selection - Single-Mode, Multi-Mode and hybrid versions to suit a variety of applications
- Flexible Strength Members - in the form of high tensile yarns for improved installation preparation time
- UV Stable HFFR-LS Outer Sheath
- Exceeds the Mechanical and Environmental Performance defined by IEC 60794-2-20
- Included in the Leviton and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex copper connectivity. System warranties available for qualified projects installed by certified contractors.



## STANDARDS

**Applicable Cable Standards:** IEC 60794-2-20

**Test Standards:** IEC 60794-1-21 and IEC 60794-1-22

## 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

## MATERIAL IDENTIFICATION

Material Identifier**	LU	LUHF3
Material Description	Standard HFFR-LS	Enhanced HFFR-LS
Flammability Rating	IEC 60332-1-2	IEC 60332-3-24
Smoke Emission	IEC 61034-1 & 2	IEC 61034-1 & 2
Acid Gas Emission	IEC 60754-2	IEC 60754-2
Colour	Black	Black

# Optical Premises Distribution Cables

Datasheet: GD101921v6

## PHYSICAL CHARACTERISTICS

Fibre Count	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)	Nominal Cable Weight (kg/km)	
			LU	LUHF3
2	0.9	5.3	30	31
4		5.5	33	34
6		5.9	38	39
8		6.5	45	47
12		7.1	53	55
16		7.7	62	64
24		8.9	78	80

## MECHANICAL PERFORMANCE

Fibre Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend	Min. Dynamic Bend	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns $\pm 180^\circ$ )
2-6	400	1000	10 x Cable Diameter	15 x Cable Diameter	1000	5	5
8	441	1500					
12	519	1600					
16	608	2000					
24	765	2300					

## 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

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**Brand-Rex** | a **LEVITON**  
company

## PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX OPTICAL FIBRE CABLE GFOM4PDC24LU Made in the 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	710 x 390	915 x 460	77	143	3	2
4	710 x 390	915 x 460	83	155	3	2
6	915 x 460	915 x 460	98	174	2	2
8	915 x 460	1070 x 510	113	214	2	2
12	915 x 460	1070 x 510	129	245	2	2
16	915 x 460	1070 x 510	149	286	2	2
24	915 x 460	1200 x 700	179	348	2	1

## PART NUMBER CONFIGURATOR

**a - b - PDC - c - d**

**a** = **GF** for standard design  
**EF** for Enhanced LSHF

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

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

**d** = Material Identifier\*\*  
e.g. **"LU"** for standard LSHF

Example part number: GFOM4PDC24LU.

*"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.