

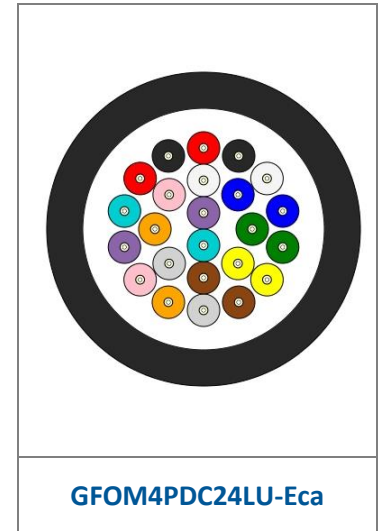
## APPLICATION

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 sheathing meets the requirements of the Construction Products Regulation (CPR) Euroclass Eca
- 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 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
Fire Euroclass EN13501-6	Eca	Eca
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: GD103089v2



## PHYSICAL CHARACTERISTICS

Fibre Count	Nom. Buffer Diameter (mm)	Nom. Cable Diameter (mm)		Nominal Cable Weight (kg/km)	
		LU	LUHF3	LU	LUHF3
2	0.9	5.3	5.7	30	36
4		5.5	5.9	33	40
6		5.9	6.3	38	45
8		6.5	6.9	45	53
12		7.1	7.5	53	62
16		7.7	8.1	62	72
24		8.9	9.3	78	89

## 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

## PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE GFOM4PDC24LU-Eca 24 FIBRE 50/125 OM4 IEC 60332-1-2 Euroclass Eca MADE IN UK [ID number] [Week/Year]

## PACKAGING INFO

Part Number	Reel Size (flange x width mm)		Gross Weight (kg/reel)		Reels per Pallet	
	2km	4km	2km	4km	2km	4km
GF*PDC02LU-Eca	915 x 460	915 x 460	83	143	2	2
GF*PDC04LU-Eca	915 x 460	915 x 460	89	155	2	2
GF*PDC06LU-Eca	915 x 460	915 x 460	98	174	2	2
GF*PDC08LU-Eca	915 x 460	1070 x 510	113	214	2	2
GF*PDC12LU-Eca	915 x 460	1070 x 510	129	245	2	2
GF*PDC16LU-Eca	915 x 460	1070 x 510	147	282	2	2
GF*PDC24LU-Eca	1070 x 510	1200 x 700	189	348	2	1
EF*PDC02LUHF3-Eca	915 x 460	915 x 460	96	169	2	2
EF*PDC04LUHF3-Eca	915 x 460	915 x 460	102	182	2	2
EF*PDC06LUHF3-Eca	915 x 460	1070 x 510	113	213	2	2
EF*PDC08LUHF3-Eca	915 x 460	1070 x 510	129	246	2	2
EF*PDC12LUHF3-Eca	915 x 460	1070 x 510	146	280	2	2
EF*PDC16LUHF3-Eca	915 x 460	1070 x 510	167	321	2	2
EF*PDC24LUHF3-Eca	1070 x 510	1200 x 700	211	392	2	1

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