

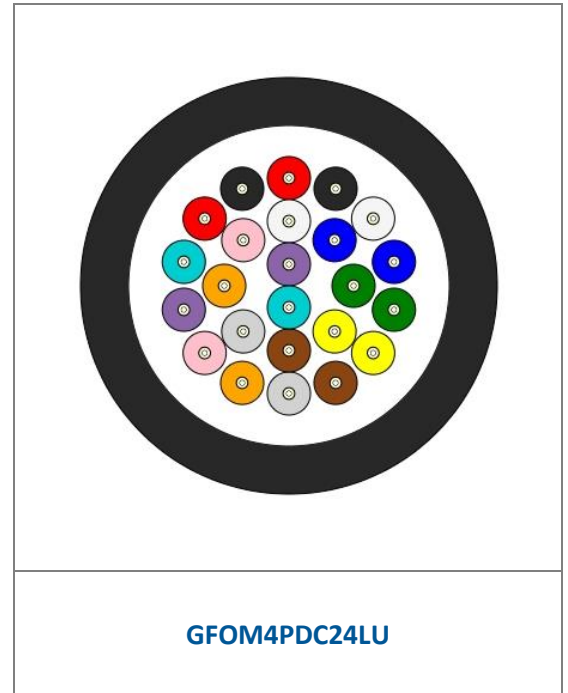
APPLICATION

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-D
- 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
- UV stable HFFR-LS sheathing meets the requirements of the Construction Products Regulation (CPR) Euroclass Eca
- 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
Acid Gas Emission	IEC 60754-2	IEC 60754-2
Colour	Black	Black

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

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

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 - Eca

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-Eca.

"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.