

APPLICATION

The Brand-Rex MicroBlo Unitube Cable offers up to 12 fibres in a compact and robust construction capable of withstanding standard blown cable installation practices.

The MicroBlo Unitube cable is suitable for low fibre count blown cable installations in pre-installed Brand-Rex MicroDucts.

FEATURES AND BENEFITS

- 2-12 Fibres - colour coded according to TIA-598-D
- 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
- Polycarbonate tube - for optimised blowing performance and superior installation distances
- 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: 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	OS1	OS1	OM1	OM2	OM3	OM4

MATERIAL IDENTIFICATION

Material Identifier	NM
Material Description	PC - Polycarbonate
Flammability Rating	n/a – External Only
Acid Gas Emission	n/a – External Only
Colour	Black

MicroBlo Unitube Cables

Datasheet: GD102422v3

Brand-Rex a **LEVITON** company

PHYSICAL CHARACTERISTICS

Fibre Count	No. Elements (Tubes/Fillers)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)	Recommended Duct Inner Diameter (mm)
2-12	1	2.5	2.5	5	3.5

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 $\pm 180^\circ$)
2-12	22.5	75	10 x Cable Diameter	15 x Cable Diameter	250	1	1

TEMPERATURE PERFORMANCE

Fibre Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
2-12	-20°C to +60°C	-40°C to +70°C	-10°C to +40°C

PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE HFOM4BMC12WNM3 12 FIBRE 50/125 OM4 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	590 x 390	590 x 390	15.5	25.5	3	3

PART NUMBER CONFIGURATOR

HF - a - BMC - b - WNM3

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: HFOM4BMC12WNM3.

"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.