

MicroBlo Multi Loose Tube Cables

Datasheet: GD102065v4

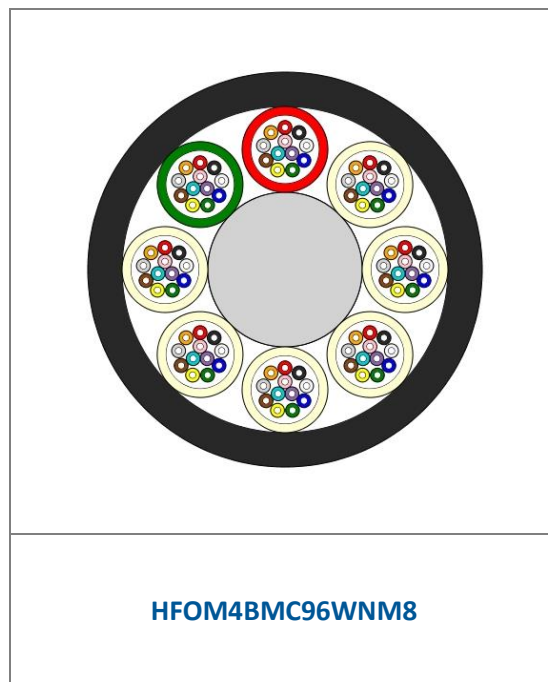
APPLICATION

The Brand-Rex MicroBlo Multi-Loose Tube Cable family offers up to 144 fibres. The range provides a compact and robust solution capable of withstanding standard blown cable installation practices.

Brand-Rex MicroBlo Multi-Loose Tube Cables are suitable for high fibre count blown cable installations in pre-installed Brand-Rex MicroDucts.

FEATURES AND BENEFITS

- 12-144 Fibre Counts - up to 12 fibres per tube colour coded according to TIA-598-D
- Customisable Fibre Selection - single-mode, multi-mode and hybrid versions to suit a variety of applications
- Resin Bonded Glass Central Strength Member - for a flexible design with a high strength to weight ratio
- Stranded Gel Filled Loose Tubes - with red and green marker reference for simplified tube identification
- Interstitially Dry Water Blocked Design - to prohibit the ingress of water throughout the cable length
- High Density Polyethylene outer sheath - 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/OS2	OS1/OS2	OS1/OS2	OM1	OM2	OM3	OM4

MATERIAL IDENTIFICATION

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

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PHYSICAL CHARACTERISTICS

Fibre Count	No. Elements** (Tubes/Fillers)	Nom. Tube Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight <i>M</i> (kg/km)	Recommended Duct Inner Diameter (mm)
12-72	6	1.5	6.0	29	8.0
84-96	8		7.0	42	10.0
108-144	12		8.7	63	12.0

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 $\pm 180^\circ$)
12-72	135	450	10 x Cable Diameter	15 x Cable Diameter	700	1	1
84-96	300	1000					
108-144	450	1500					

TEMPERATURE PERFORMANCE

Fibre Count	Operational Temperature Range	Storage Temperature Range	Installation Temperature Range
12-144	-15°C to +60°C	-30°C to +70°C	-10°C to +40°C

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PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX a LEVITON company OPTICAL FIBRE CABLE HFOM4BMC96WNM8 96 FIBRE SM G652D 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
12-72	915 x 460	915 x 460	2M + 22	4M + 22	2	2
84-96	915 x 460	1070 x 510	2M + 22	4M + 32	2	2
108-144	915 x 460	1200 x 700	2M + 22	4M + 35	2	1

[†] Refer to nominal cable weight for M.

PART NUMBER CONFIGURATOR

HF - a - BMC - b - WNM - c

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

c = Number of Elements**
e.g. "8" for 84-96 fibre cable

b = 2 or 3 digit fibre count
e.g. "02" for 2 fibre cable

Example part number: HFOM4BMC96WNM8.

"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.