

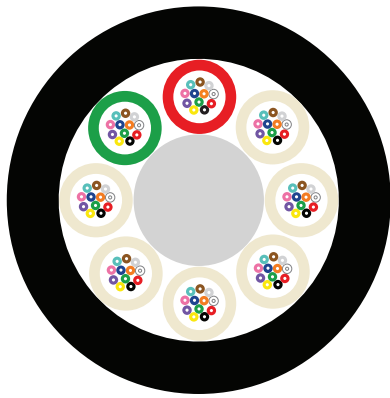
PRODUCT SPECIFICATIONS

MICROBLO™ Multi-Loose-Tube Cables

MICROBLO™ Multi-Loose-Tube Cables

APPLICATION

MicroDuct cabling systems are popular solutions for building flexibility into a network, as they can be populated when needed and leave spare capacity for future growth. MICROBLO air-blown loose-tube MicroDuct cable is available in fiber counts from 12- 144f.



COUNTRY OF ORIGIN

UK

WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/ns/warranty](https://leviton.com/ns/warranty)

FEATURES & BENEFITS

- 12-144 Fiber count - up to 12 fibers per tube color-coded according to TIA-598-D
- Customizable fiber selection includes single-mode, multimode 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 optimized blowing performance and superior installation distances

STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- EN 50173
- IEC 60794-1-21
- IEC 60794-1-22
- IEC 60794-1-22-F5C

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TECHNICAL SPECIFICATIONS

Construction

Type of cable	Loose Tube
Jacket material	PE - Polyethylene

Usage Characteristics

Temp. (Storage):	-30 °C to +70 °C (-22 °F to +158 °F)
Temp. (Installation):	-10 °C to +40 °C (+14 °F to +104 °F)
Temp. (Operating):	-15 °C to +60 °C (+5 °F to +140 °F)

REACTION TO FIRE

Characteristics	IEC Standard	EN Standard	External Product
Material Description	—	—	Polyethylene
Single Cable Flame Rating	—	—	N/A - External Only
Acid Gas Emissions	—	—	N/A - External Only
Classification / Euroclass	—	—	N/A - External Only

TECHNICAL SPECIFICATIONS

Fiber Count	Max. Long Term Load (N)	Max. Short Term Load (N)	Min. Static Bend Radius (mm)	Min. Dynamic Bend Radius (mm)	Max. Crush (N)	Max. Impact (Nm)	Max. Torsion (Turns ± 180°)	Nom. Tube Diameter (mm)	Recommended Duct Inner Diameter (mm)	Nom. Cable Diameter (mm)	Nom. Cable Weight (kg/km)
12-60	135	450	10x Cable Diameter	15x Cable Diameter	700	1	1	1.5	8	6	29
72	300	1000							10	7	42
84-96	450	1500							12	8.7	63

OPTICAL PERFORMANCE

Fiber Identifier	108	208	062	OM3	OM4	OM5
IEC 60793 Reference	2-50-B6_a	2-50-B6_a	2-10-A1b	2-10-A1a.2	2-10-A1a.3	-2-10 A1-OM5
ITU-T Recommendation	G.657.A1	G.657.A2	—	G.651.1	G.651.1	G.651.1
ISO/IEC 11801 Category	OS1a/OS2	OS1a/OS2	OM1	OM3	OM4	OM5
Effective Modal Bandwidth @850nm (MHz.km)	—	—	—	≥2000	≥4700	≥4700
Overfilled Launch Bandwidth @850nm (MHz.km)	—	—	—	≥1500	≥3500	≥3500
Attenuation @850nm (dB/km)	—	—	—	≤2.80	≤2.80	≤2.80
Attenuation @1300nm (dB/km)	—	—	—	≤0.80	≤0.80	≤0.80
Attenuation @1310nm (dB/km)	≤0.38	≤0.38	—	—	—	—
Attenuation @1550nm (dB/km)	≤0.25	≤0.25	—	—	—	—

PACKAGING - REELS

Fiber 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				4M + 32		2
108-144				4M + 35		1

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PART NUMBERS	
Description	Part No.
12 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 -6Element, 12F/T - External Grade	HF108BMC12WNM6
24 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 6 Element, 12F/T - External Grade	HF108BMC24WNM6
36 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 6 Element, 12F/T - External Grade	HF108BMC36WNM6
48 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 6 Element, 12F/T - External Grade	HF108BMC48WNM6
72 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 6 Element, 12F/T - External Grade	HF108BMC72WNM6
96 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 8 Element, 12F/T - External Grade	HF108BMC96WNM8
144 Fiber Multi Loose Tube Blown Micro Cable - Single-mode G657A1 - 12 Element, 12F/T - External Grade	HF108BMC144WNM12
12 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 -6 Element, 12F/T - External Grade	HFOM3BMC12WNM6
24 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 6 Element, 12F/T - External Grade	HFOM3BMC24WNM6
36 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 6 Element, 12F/T - External Grade	HFOM3BMC36WNM6
48 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 6 Element, 12F/T - External Grade	HFOM3BMC48WNM6
72 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 6 Element, 12F/T - External Grade	HFOM3BMC72WNM6
96 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 8 Element, 12F/T - External Grade	HFOM3BMC96WNM8
144 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM3 - 12 Element, 12F/T - External Grade	HFOM3BMC144WNM12
12 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 -6 Element, 12F/T - External Grade	HFOM4BMC12WNM6
24 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 6 Element, 12F/T - External Grade	HFOM4BMC24WNM6
36 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 6 Element, 12F/T - External Grade	HFOM4BMC36WNM6
48 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 6 Element, 12F/T - External Grade	HFOM4BMC48WNM6
72 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 6 Element, 12F/T - External Grade	HFOM4BMC72WNM6
96 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 8 Element, 12F/T - External Grade	HFOM4BMC96WNM8
144 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM4 - 12 Element, 12F/T - External Grade	HFOM4BMC144WNM12
12 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 -6 Element, 12F/T - External Grade	HFOM5BMC12WNM6
24 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 6 Element, 12F/T - External Grade	HFOM5BMC24WNM6
36 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 6 Element, 12F/T - External Grade	HFOM5BMC36WNM6
48 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 6 Element, 12F/T - External Grade	HFOM5BMC48WNM6
72 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 6 Element, 12F/T - External Grade	HFOM5BMC72WNM6
96 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 8 Element, 12F/T - External Grade	HFOM5BMC96WNM8
144 Fiber Multi Loose Tube Blown Micro Cable - Multimode OM5 - 12 Element, 12F/T - External Grade	HFOM5BMC144WNM12

For further support information, visit [Leviton.com/ns/support](https://leviton.com/ns/support)

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