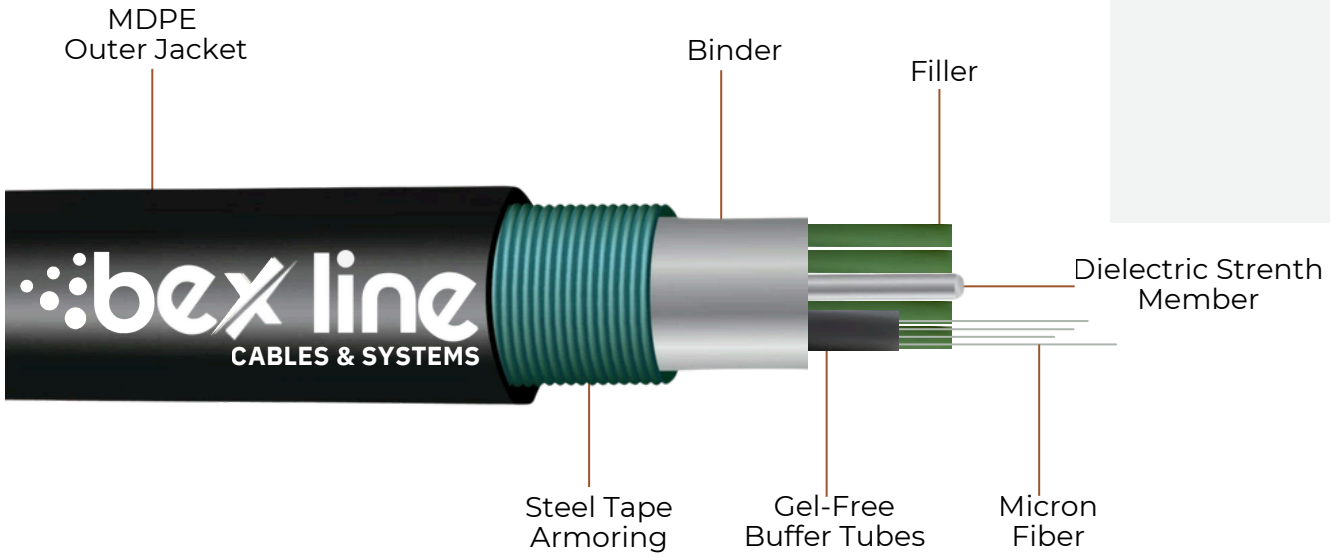
bex line
CABLES & SYSTEMS

Optical Fiber Cable

Multi Mode OM2 12Core

P.N:BXOC-OM2-12

LazrSPEED® Indoor/Outdoor Cable OM2 , Single Jacket All/Single Armored-Dielectric, Low Smoke Zero Halogen (LSZH), Armored , Stranded Loose Tube Cable



PRODUCT CLASSIFICATION :

Regional Availability	**CHINA / IRELANDA**
Portfolio	**BEXLINE**
Product Type	**Fiber OM2 indoor/outdoor cable**

General Specifications :

Cable Type	**loose tube**
Construction Type	**Armored**
Subunit Type	**Gel-free**
Jacket Color	**Black**
Jacket Marking	**Meters**
Jacket Marking Method	**Inkjet**
Filler, quantity	**1**
Subunit, quantity	**2**
Fibers per Subunit, quantity	**6**
Total Fiber Count	**12**

Dimensions :

Buffer Tube/Subunit Diameter	**2 mm | 0.079 in**
Diameter Over Jacket	**10.5 mm | 0.413 in**

Gel-free design for cleaner and faster splicing, stranded loose tube construction for flexibility and reliable fiber protection, OM2 multimode 50/125 µm fibers ensuring optimized performance for data networks, lightweight non-armored construction for easy installation, UV-resistant black LSZH jacket for long-term durability, suitable for indoor/outdoor applications with stable and reliable performance.

ROHS Compliant **UK-ROHS Compliant**

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Fiber Parameters		
S/N	Mechanical Specifications	RESULT
1	Core Noncircularity	≤ 6%
2	Cladding Diameter	125.0 ± 0.7 μm
3	Core/Cladding Concentricity Error	≤ 0.6 μm
4	Cladding Noncircularity	≤ 1.0%
5	Coating Diameter	245 ± 10 μm
6	Coating/Cladding Concentricity Error	≤ 12 μm
7	Attenuation Coefficient	1300 nm ≤ 1.5 dB/km 850 nm ≤ 3.5 dB/k
8	Zero Dispersion Slope	≤ 0.092 ps/(nm²·km)
9	Zero Dispersion Wavelength	1300–1324 nm
10	Polarization Mode Dispersion	≤ 0.20 ps/√km
11	Mode Field Diameter (1300 nm)	50 ± 0.4 μm
12	Cut-off Wavelength (λc)	1170–1330 nm
13	Jacket Material	PE
14	Fiber Type	OM2, 50/125 μm
15	Chromatic Dispersion	1288–1339 nm ≤ 3.4 ps/(nm·km) 850 nm ≤ 18 ps/(nm·km) 1625 nm ≤ 22 ps/(nm·km)

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Material Specifications		
S/N	Mechanical Specifications	RESULT
1	Minimum Bend Radius, loaded	210 mm | 8.268 in
2	Minimum Bend Radius, unloaded	125 mm | 4.921 in
3	Tensile Load, long term	600 N
4	Tensile Load, short term	1500 N
5	Crush Resistance, long term	300 N
6	Crush Resistance, short term	1000 N
7	Impact Test Method	IEC 60794-1 E4

Environmental Specifications	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Installation Temperature	-10 °C to +40 °C (14 °F to +104 °F)
Environmental Space	Universal Low Smoke Zero Halogen (ULSZH)
Jacket UV Resistance	UV stabilized
Water Penetration	24 h (IEC 60794-1 F5)

Regulatory Compliance/Certifications :

- CHINA-ROHS Below maximum concentration value
- ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system