Technical Data Sheet

Rosenberger

Series	Expanded Beam Optical M **EBO** MPE 12 /16	**360AXXX**





Properties

Interconnect Solutions deliver high-performance, hermaphroditic, low maintenance, reliable fiber connectivity for future data centers. The footprint of the MTP®/MPO connector is identical to that of the MPE 12 connector.

Standards

GR-1435

Fiber per Ferrule: 12 / 16	Molded with Polymer UL 94 HB Rating
Fiber Types:	Singlemode: OS1, OS2; Fiber Diameter: 125µm Multimode: OM3, OM4, OM5; Fiber Diameter: 125µm
Connector Types:	EBO MPE 12 / 16

Housing for connectors

Singlemode:	Green
Multimode:	Aqua / Violet

Optical data

	Insertion Loss:	Insertion Loss: 16 F	Return Loss:
Singlemode: Maximum	0,70 dB	0,75 dB	≥ 55 dB
Multimode: Maximum	0,30 dB		≥ 35 dB
Singlemode: Typical	0,35 dB		≥ 60 dB
Multimode: Typical	0,15 dB		≥ 45 dB
Operating Wavelength:	1310nm SM		850nm MM

Mechanical data

Mating cycles	1000
Mating Force (approx..):	0,7N per Ferrule

Environmental data

Operating temperature range	-10°C to +60°C (dependent on the cable type)
Halogen Free	Yes
RoHS	Compliant

Cable type

Cable: SM / MM	
Cable Outside Diameter:	3.0mm (dependent on fiber count and connector type)

Packing

Standard packaging.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.

Draft	Date	Approved	Date
Christian Hahn	31.07.24		

Rev.	Engineering change number	Name	Date
A00	24-0006	Christian Hahn	15.10.24

Rosenberger-OSI GmbH & Co. OHG
Endorferstr. 6 | 86167 Augsburg | Germany
www.rosenberger.com/osi

Tel. : +49 821 249249-0
E-Mail : info-osi@rosenberger.com

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