# Technical Data Sheet

Rosenberger

| Series | Expanded Beam Optical<br>3M™ **EBO** Connectivity | **360AXXX** |
|---|---|---|



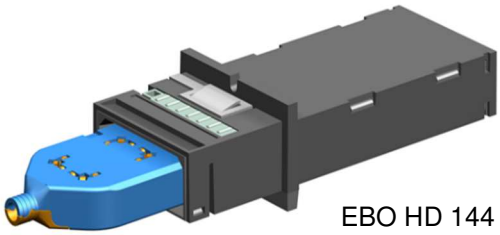
EBO MPE 12



EBO Ferrule



EBO Latch 12



EBO HD 144

## Properties

Interconnect Solutions deliver high-performance, hermaphroditic, low maintenance, reliable fiber connectivity for future data centers.

## Standards

GR-1435

| | |
|---|---|
| Fiber per Ferrule: 12 | Molded with Polymer UL 94 HB Rating |
| Fiber Types: | Singlemode: OS1, OS2; Fiber Diameter: 125µm<br>Multimode: OM3, OM4, OM5; Fiber Diameter: 125µm |
| Connector Types: | EBO MPE 12<br>EBO Latch 12<br>EBO HD 144 |

## Housing for connectors

| | |
|---|---|
| Singlemode: | Green |
| Multimode: | Black |

## Optical data

| | Insertion Loss: | Return Loss: |
|---|---|---|
| Singlemode: | 0,70 dB | ≥ 55 dB |
| Multimode: | 0,30 dB | ≥ 35 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.

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

| Draft | Date | Approved | Date |
|---|---|---|---|
| Christian Hahn | 09.02.24 | M. Komarow | 06.03.24 |

| Rev. | Engineering change number | Name | Date |
|---|---|---|---|
| 002 | 002 | Christian Hahn | 30.07.24 |

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