

## Assemblies

**MB12\_MPMM\_MPMM\_O440y\_xx.x\_LL**

MB12\_MPMM\_MPMM\_O440y\_xx.x\_LL

**Properties**

- Floating ferrule design optimizing physical contact
- Removable housing for quick gender change and easy re-polishing
- Elliptical guide pin tip to enhance mating abilities



| General data                       |                        |
|------------------------------------|------------------------|
| Assembly family                    | Base-12 MTP to MTP     |
| Application Area                   | Indoor                 |
| Fiber quantity                     | 12                     |
| Polarity                           | Methode B              |
| Performance specification standard | IEC 61753-1 category C |
| Flammability rating                | UL 94 V-0              |
| Operation temperature              | -25 °C ... 70 °C       |

| Side A / Left          |                       |
|------------------------|-----------------------|
| Type                   | Fiber Optic Connector |
| Connector family       | MTP Pro®              |
| Gender                 | Male                  |
| Performance class H+S  | L                     |
| Polishing              | UPC                   |
| Insertion loss max.    | ≤ 0.35 dB             |
| Insertion loss typical | ≤ 0.1 dB              |
| Return loss            | ≥ 30 dB               |

| Side B / Right         |                       |
|------------------------|-----------------------|
| Type                   | Fiber Optic Connector |
| Connector family       | MTP Pro®              |
| Gender                 | Male                  |
| Performance class H+S  | L                     |
| Polishing              | UPC                   |
| Insertion loss max.    | ≤ 0.35 dB             |
| Insertion loss typical | ≤ 0.1 dB              |
| Return loss            | ≥ 30 dB               |

Assemblies  
**MB12\_MPMM\_MPMM\_O440y\_xx.x\_LL**  
MB12\_MPMM\_MPMM\_O440y\_xx.x\_LL

| Fiber Optic Cable                       |                         |
|-----------------------------------------|-------------------------|
| Cable Description                       | Multifiber bundle cable |
| Fiber quantity                          | 12                      |
| Fiber type                              | G50/125-OM4             |
| CPR class                               | B2ca-s1a,d0,a1          |
| Strain relief                           | aramide yarn            |
| Inner jacket diameter                   | 2mm                     |
| Outer jacket diameter                   | 4mm                     |
| Outer jacket material                   | LSFH                    |
| Tensile strength during installation    | 500 N                   |
| Tensile strength in service             | 200 N                   |
| Min. bending radius during installation | 15 mm                   |
| Min. bending radius in service          | 15 mm                   |
| Crush resistance during installation    | 2000 N/dm               |
| Crush resistance in service             | 100 N/dm                |
| Fire propagation standard               | IEC 60332-1-2           |

| Ordering Information Table |                              |             |
|----------------------------|------------------------------|-------------|
| Item number                | Item description             | Length in m |
| 85166275                   | MB12_MPMM_MPMM_O440y_05.0_LL | 5           |
| 85166280                   | MB12_MPMM_MPMM_O440y_07.0_LL | 7           |
| 85166281                   | MB12_MPMM_MPMM_O440y_10.0_LL | 10          |
| 85166282                   | MB12_MPMM_MPMM_O440y_12.0_LL | 12          |
| 85166283                   | MB12_MPMM_MPMM_O440y_15.0_LL | 15          |
| 85179962                   | MB12_MPMM_MPMM_O440y_17.0_LL | 17          |
| 85166284                   | MB12_MPMM_MPMM_O440y_20.0_LL | 20          |
| 85184366                   | MB12_MPMM_MPMM_O440y_22.0_LL | 22          |
| 85166285                   | MB12_MPMM_MPMM_O440y_25.0_LL | 25          |
| 85184367                   | MB12_MPMM_MPMM_O440y_27.0_LL | 27          |
| 85166286                   | MB12_MPMM_MPMM_O440y_30.0_LL | 30          |
| 85184368                   | MB12_MPMM_MPMM_O440y_32.0_LL | 32          |
| 85166287                   | MB12_MPMM_MPMM_O440y_35.0_LL | 35          |
| 85184369                   | MB12_MPMM_MPMM_O440y_37.0_LL | 37          |
| 85166288                   | MB12_MPMM_MPMM_O440y_40.0_LL | 40          |
| 85184370                   | MB12_MPMM_MPMM_O440y_42.0_LL | 42          |
| 85166289                   | MB12_MPMM_MPMM_O440y_45.0_LL | 45          |
| 85184385                   | MB12_MPMM_MPMM_O440y_47.0_LL | 47          |
| 85166290                   | MB12_MPMM_MPMM_O440y_50.0_LL | 50          |

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/ EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.  
DOCUMENT PIM-P28546 / Date of publication: 16.02.2024 / uncontrolled copy