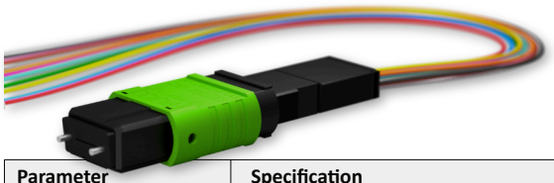
# MPO CONNECTOR

## Compact High-Density Interface for Single-Mode, Multimode and Polarization-Maintaining Fiber Assemblies

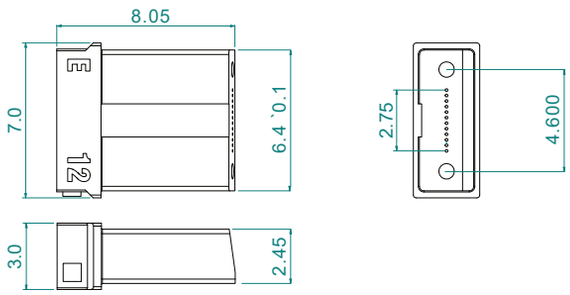


MPO (MTP®) connector interface for high-density fiber optic assemblies, including fiber arrays, fiber bundles, 2D matrix fiber arrays, patch cords, and length-matched assemblies. Supports SM, MM, and PM fibers with configurable fiber counts and custom optical routing.

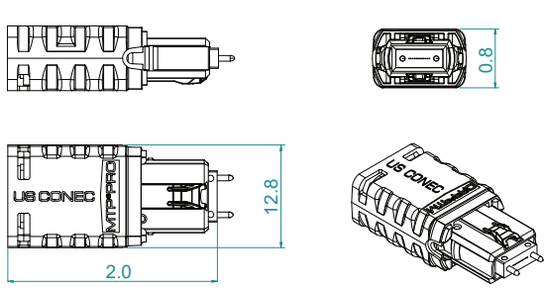
| Parameter | Specification |
|---|---|
| Connector Type | MPO Connector |
| Gender | Female / Male |
| Fiber Type | Single-Mode (SM) / Multi-Mode (MM) / Polarization-Maintaining (PM) |
| Fiber Count | 8, 12, 16, 24, 32 fibers and custom configurations |
| Fiber Pitch | 250 µm |
| Ferrule Type | Precision MT Ferrule |
| Ferrule Polish | APC or PC |
| Operating Wavelengths | 850 nm (MM), 1310 / 1550 nm (SM), other wavelengths available upon request |
| Extinction Ratio (ER) | > 20 dB (PM fiber assemblies) |
| Mating Repeatability | ≤ 0.10 dB |
| Intermateability | ≤ 0.20 dB |
| Operating Temperature | -40 °C to +85 °C |

| Grade | Fiber Type | Typical IL | Max. IL | Return Loss |
|---|---|---|---|---|
| Standard SM | Single-Mode APC | ≤ 0.35 dB | ≤ 0.75 dB | ≥ 60 dB |
| Elite SM | Single-Mode APC | ≤ 0.20 dB | ≤ 0.35 dB | ≥ 60 dB |
| Standard MM | Multimode PC | ≤ 0.35 dB | ≤ 0.60 dB | ≥ 20 dB |
| Elite MM | Multimode PC | ≤ 0.20 dB | ≤ 0.35 dB | ≥ 20 dB |

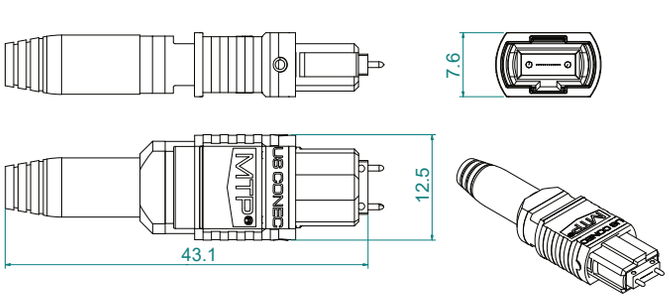
MT Ferrule



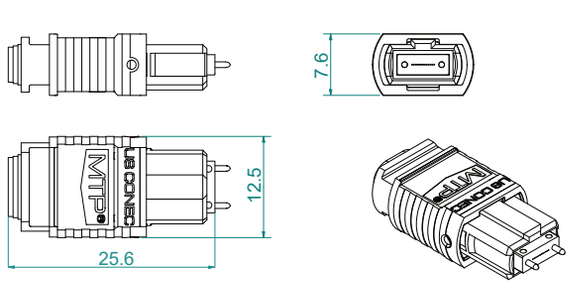

MPO (MTP®) PRO




MPO (MTP®) for 3mm cable




MPO (MTP®) Short, ribon

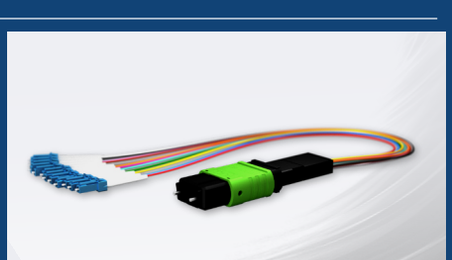



The variants shown are examples; other MPO (MTP®) variants are also available.

MPO CONNECTOR - Custom Designs







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