



1、Description

MPO/MTP harness patchcords pre-terminated cable refers to the use of MPO single head 12 core or 24 connector at the end of the cable, and the other end of the cable is using the LC/SC/FC connector, the products are mainly used in those who need directly from the port or device area distribution frame wiring area is directly connected to the main system equipment. The structure can also be used for the extension of the optical fiber cable.

2、Features

- Polarity available, Cross Connection : AB/BA, Paralled Connection : AB/AB
- Insertion loss type available in Standard, Elite / Low Loss
- MTP/MPO connector type available in Male, Female, Male to Female
- Cable length available in 1 to 999 meters, Fanout length available
- Cable type available in round, ribbon
- Improve and simplify fiber routing, decrease fiber management space

3、Specification

| Connector Type | A : MPO / MTP | | B : LC/SC/FC/ST |
|----------------|--|--------------|-----------------|
| | Fiber Type | SM (9/125um) | |
| Polish | UPC | APC | UPC |
| Insertion Loss | MPO / MTP : Low Loss≤0.35dB, Standard Loss≤0.60dB LC/SC/FC/ST : Low Loss≤0.15dB, Standard Loss≤0.30dB | | |
| Return Loss | ≥50dB | ≥60dB | ≥20dB |
| 3D(MPO/MTP) | Fiber Height : 1000~3500nm Radius Long: 500mm min | | |

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| | Radius Short: 50mm min Max Fiber Differential < 400nm Max Fiber Adj Diff < 200nm Ferrule Height: 7.95mm min MM Core Dip: <100nm |
| 3D(LC/SC/FC/ST) | Radius of Curvature :10-25mm(PC/UPC) , 5-12mm(APC) Apex offset : 0-50um High fiber : ±100 nm Angle: 8±0.2°(APC) |
| Repeatability | 1000 times typical change value ≤ 0.20dB |
| Interchangeability | ≤0.20dB |
| Tester Brand | EXFO & JGR |
| MPO / MTP Connector | Male / female |
| Jacket Material(optional) | LSZH、OFNP、OFNR、PVC |
| Jacket color | Aqua (OM3, OM4), Erica Violet (OM4), Yellow (OS1/OS2, G.657A1), Orange (OM1, OM2) |
| Cable Diamete(Branch) | 2.0, 3.0mm |
| Fiber count(optional) | 8, 12, 24, 48 Core |
| Fiber Moder(optional) | G652D, G657A, OM3, OM4 |
| Operating Temperature | -20 ~ +70 °C |
| Storage Temperature | -40 ~ +85 °C |

4. Application

- Data center system networks
- Telecommunication networks
- Active device termination
- High-Density Cross Connect
- 10G/ 40G/ 100G Networks
- Parallel interconnection

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