

MTP® 光纤跳线

MTP®多芯光纤跳线专为高标准网络应用而设计和制造，它们采用标准或低损耗MPO 连接器和坚固耐用的微型结构光缆，得益于其紧凑的尺寸和多种芯数（最高可达144芯）光纤，它们是高密度数据中心综合布线的理想解决方案

特性

- 采用 8/12/16/24 芯 MTP®连接器
- 超低损耗性能
- 多种芯数光纤：8/12/16/24，最高可支持144芯
- 多类型光纤选择：OS1/2 G652D、G.657A1、G.657A2、OM3、OM4、OM5，OM1 和 OM2可按需定制
- 可选择 LSZH、OFNP 或 OFNR 等阻燃护套
- A、B 或 C 极性可选
- 100% 工厂熔接并测试
- 保护拉环可选配
- 节省安装和布线配置时间

应用领域

- 数据中心
- 40/100G高速应用
- 存储区域网络SAN-光纤通道
- 并行互联光网络
- 无限带宽领域 InfiniBand

跳线规格

| ELEMENT | CHARACTERISTIC |
|--------------------------|---|
| Fibre | OS1/OS2, G.657A1, G.657A2, OM1, OM2, OM3, OM4, OM5 |
| Tail Dimensions | 3mm Tails |
| MTP Terminations | MTP® 12 Fibre Ferrules US Conec, Boot Colour: Black, Body Sleeve Colour: MM (Beige), MM Elite (Aqua), OM5 (Lime Green), SM (Green), SM Elite (Yellow) |
| Cable Diameter | 12 Core MicroCable Double Jacket OD Max 4.2 ± 0.3 mm, 24 Core MicroCable Double Jacket Flat ($4.2 \pm 0.3 \times 7.6 \pm 0.4$ mm), 48 Core MicroCable Double Jacket OD Max 9.0 ± 0.3 mm, 72 cores OD MAX: 11.2 ± 0.5 mm, 96 cores OD MAX: 13.5 ± 0.5 mm, 144 cores OD MAX: 17.5 ± 0.5 mm |
| Crush Resistance | 1000N/100mm |
| Cable Tensile Strength | Double Jacket Microcable (up to 12 Cores) (Short/Long) 150N/80N, Double Jacket Microcable Flat (up to 24 Cores) (Short/Long) 300N/160N, Double Jacket Microcable (up to 48 Cores) (Short/Long) 500N/180N, (up to 96 & 144 Cores) (Short/Long) 1000N/300N |
| Cable Strength Member | FRP & Aramid Yarn |
| Storage Temperature | -20 ~ +70°C |
| Installation Temperature | 0 ~ +50°C |
| Operating Temperature | -20 ~ +70°C |
| Tail Protection | No- Standard, High Crush Resistant Tubing when pulling element |
| Pulling Element | Rope attached to Aramid |

连接器性能指标

| CONNECTOR MATING | IL AVERAGE | IL MAX | RETURN LOSS |
|------------------|------------|--------|-------------|
| MTP® Elite (MM) | 0.10Db | 0.35dB | N/A |
| MTP® (MM) | 0.20dB | 0.60dB | N/A |
| MTP® Elite (SM) | 0.10dB | 0.35dB | >60dB |
| MTP® (SM) | 0.25dB | 0.75dB | >60dB |

光纤性能指标

| Fibre Type (ISO/IEC 11801) | OS1/OS2 | OM1 | OM2 | OM3 | OM4 | OM5 |
|--|--|--|--|--|--|--|
| Attenuation Coefficient (dB/km) | ≤ 0.50 Max (1310nm) ≤ 0.40 Max (1550nm) ≤ 0.36 Typ (1310nm) ≤ 0.22 Typ (1550nm) | ≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm) | ≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm) | ≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm) | ≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm) | ≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 3.0 Typ (850nm) ≤ 1.0 Typ (1300nm) |
| Minimum Bandwidth: Overfilled Launch (Mhz-km) | N/A | ≥ 200 (850nm) ≥ 500 (1300nm) | ≥ 500 (850nm) ≥ 500 (1300nm) | ≥ 1500 (850nm) ≥ 500 (1300nm) | ≥ 3500 (850nm) ≥ 500 (1300nm) | ≥ 3500 (850nm) ≥ 1850 (953nm) ≥ 500 (1300nm) |
| Minimum Bandwidth: Laser Effective Modal Bandwidth (Mhz-km) | N/A | N/A | N/A | ≥ 2000 (850nm) | ≥ 4700 (850nm) | ≥ 4700 (850nm) ≥ 2470 (953nm) |

执行标准

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC-61754-7 & EIA/TIA-604-5
- NFPA 262 or IEC 60332
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC
- IEC-60793

订购编码规则

| | Connector A | | Connector B | | Fibre Type | | Fibre Count | | Length | | Polarity and Extra Options | |
|-----|-------------|-----------------------|-------------|-----------------------|------------|----------|-------------|----------------|--------|---------|----------------------------|------------|
| | Port Count | Connector Type | Port Count | Connector Type | Code | Standard | Core Count | Cladding Count | Code | Length | Code | Options |
| OTM | 20 | MTP® Male | 20 | MTP® Male | 9 | G.652.D | 12 | 12 | 01 | 1m | A | Polarity A |
| | 22 | MTP® Female | 22 | MTP® Female | A1 | G.657A1 | 24 | 24 | 05 | 5m | B | Polarity B |
| | 24 | MTP® Male Elite | 24 | MTP® Male Elite | A2 | G.657A2 | 48 | 48 | 10 | 10m | C | Polarity C |
| | 26 | MTP® Female Elite | 26 | MTP® Female Elite | 3 | OM3 | 72 | 72 | ... | ... | - | LSZH |
| | 32 | MTP® Male 24F | 32 | MTP® Male 24F | 4 | OM4 | 96 | 96 | xx | Specify | R | OFNR |
| | 34 | MTP® Female 24F | 34 | MTP® Female 24F | 5 | OM5 | 144 | 144 | | | P | OFNP |
| | 28 | MTP® Male 24F Elite | 28 | MTP® Male 24F Elite | | | | | | | | |
| | 30 | MTP® Female 24F Elite | 30 | MTP® Female 24F Elite | | | | | | | | |

*21 for MPO connector

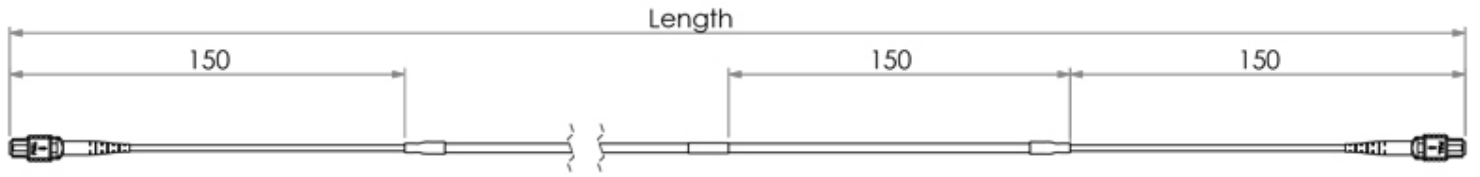
编码规则举例

| | | | | | | | | | |
|-----|---|----|----|---|----|---|----|---|---|
| OTM | - | 20 | 20 | 3 | 12 | - | 70 | - | A |
|-----|---|----|----|---|----|---|----|---|---|

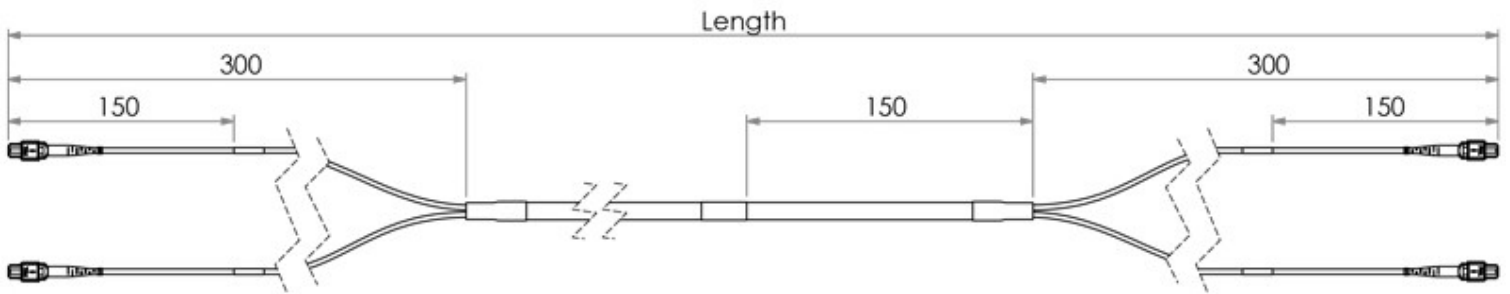
MTP® Male to MTP® Male with 12 fibre ferrule trunk 4 OM3 70m polarity A

产品图纸

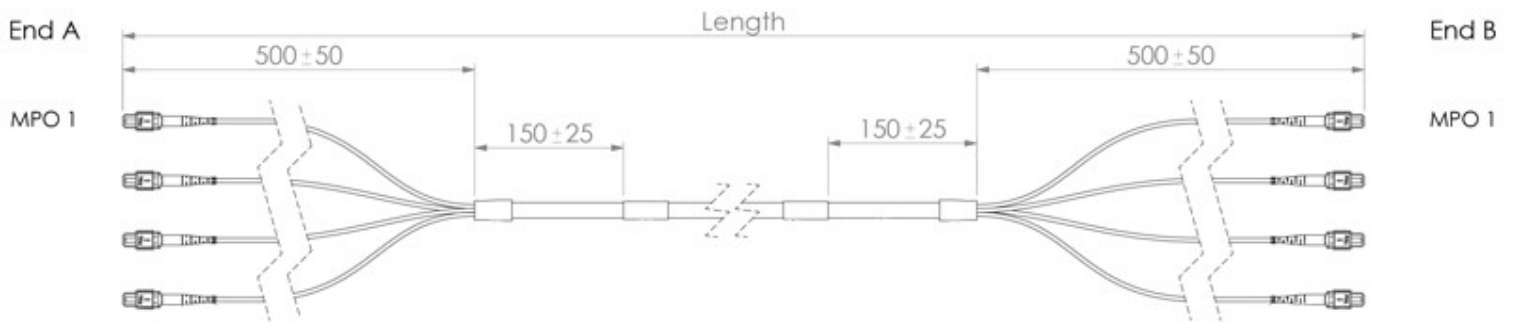
12 Fibre Trunk Double jacket 4.5mm OD



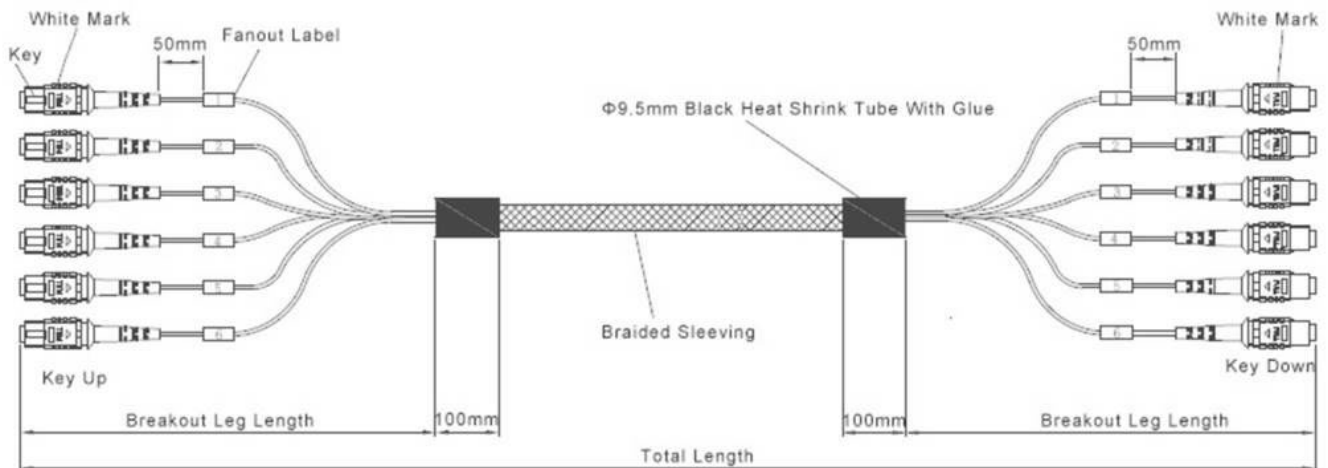
24 Fibre Trunk 2 x Sub Units Flat



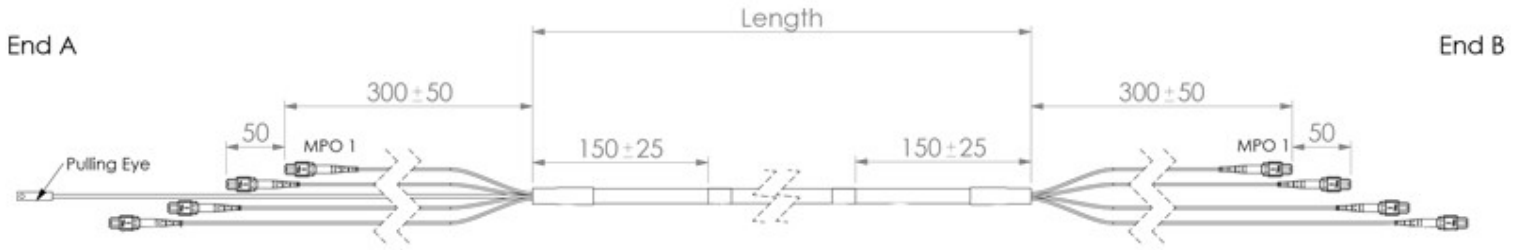
High Core Count Trunk Multi Subunits – Fanout



High Core Count 144F Trunk Multi Subunits – Fanout



High Core Count Trunk Multi Subunits – Stagger with Pulling System



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