

## FIBRE NUMBERING

Optical signals are carried by multi-fibre ribbon cables with parallel Multi-fibre Termination Push-On (MTP) connectors – improved version of the MPO connector (known as multi-fibre push-on and also as multi-path push-on) – a multi-fibre connector defined according to IEC 61754-7 and TIA/EIA 604-5 that can accommodate 12-72 fibres:



Figure 1: MPO cable female connector for accommodating 24 fibres.

The following convention will apply to the optical connectors:

- All optical connectors on boards and modules are MALE,
- All optical connectors on the cables are FEMALE.

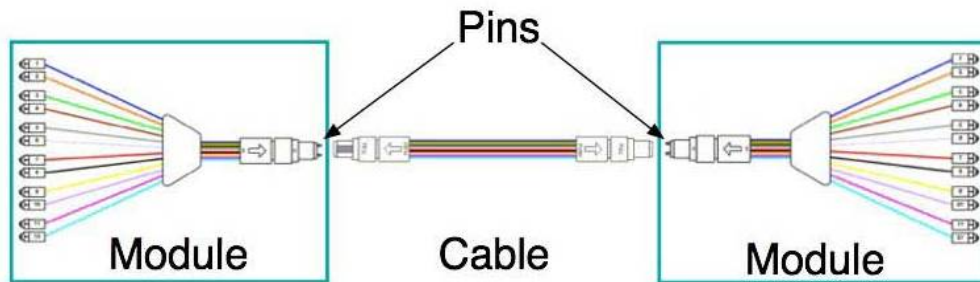


Figure 2: Convention for optical connectors.

The fibre numbering within a connector and fibre colours, for 12-fibre (one row) fibres:

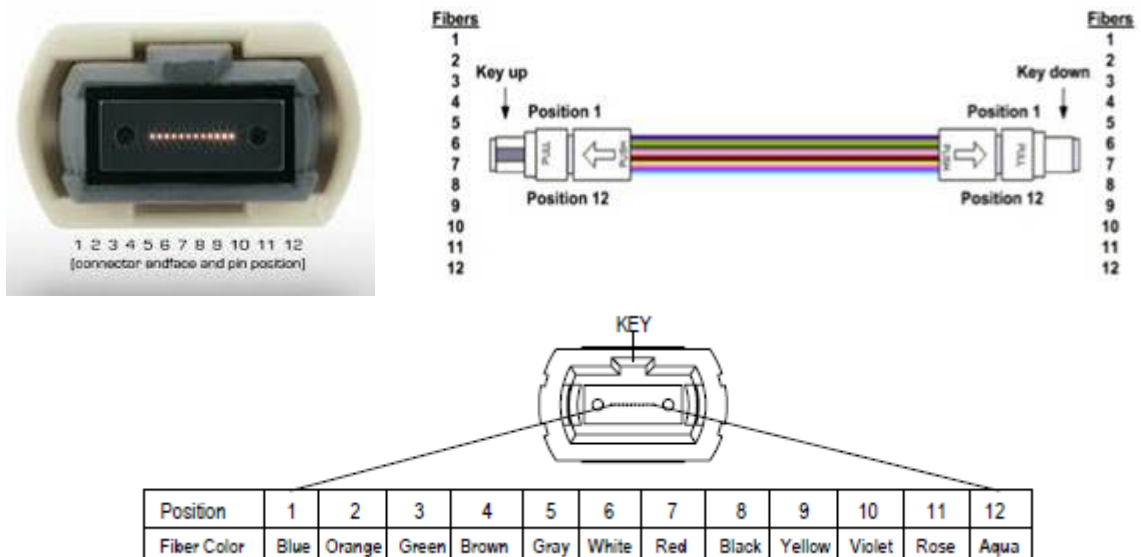


Figure 3: Fibre numbering in 12-fibres MTP.

When there is more than one row of fibres, the numbers continue in the second and higher rows, see image on the next page.

# VIEW TO MTP

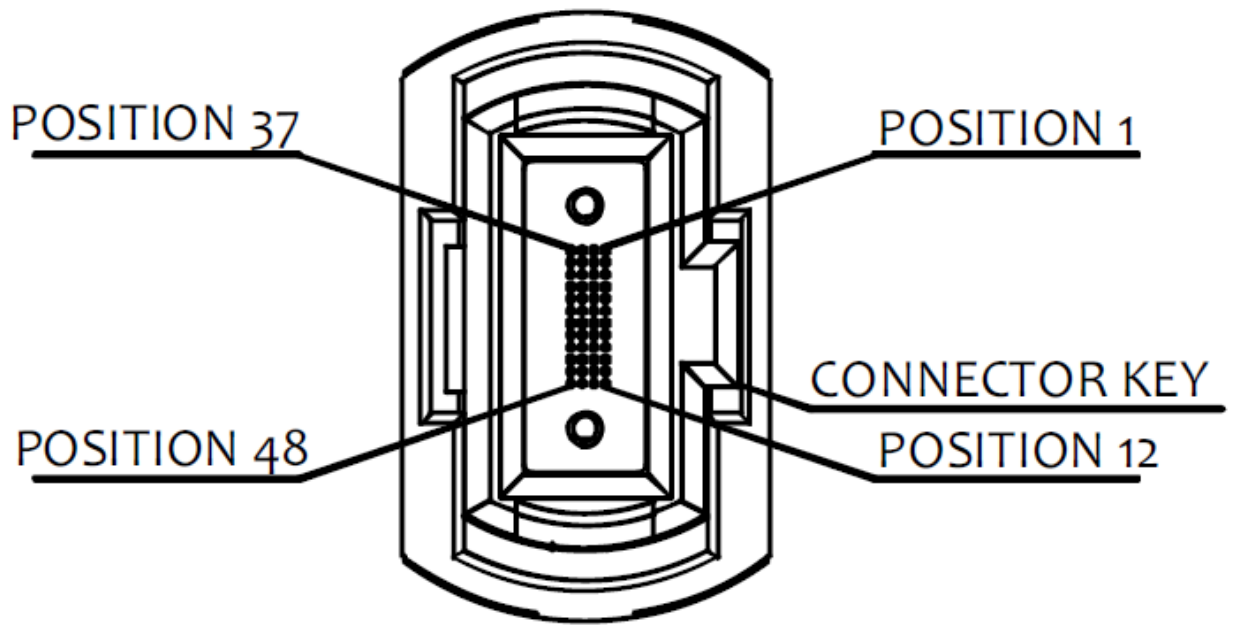


Figure 4: Fibre numbering in 48-fibres MTP.

# VIEW TO MTP

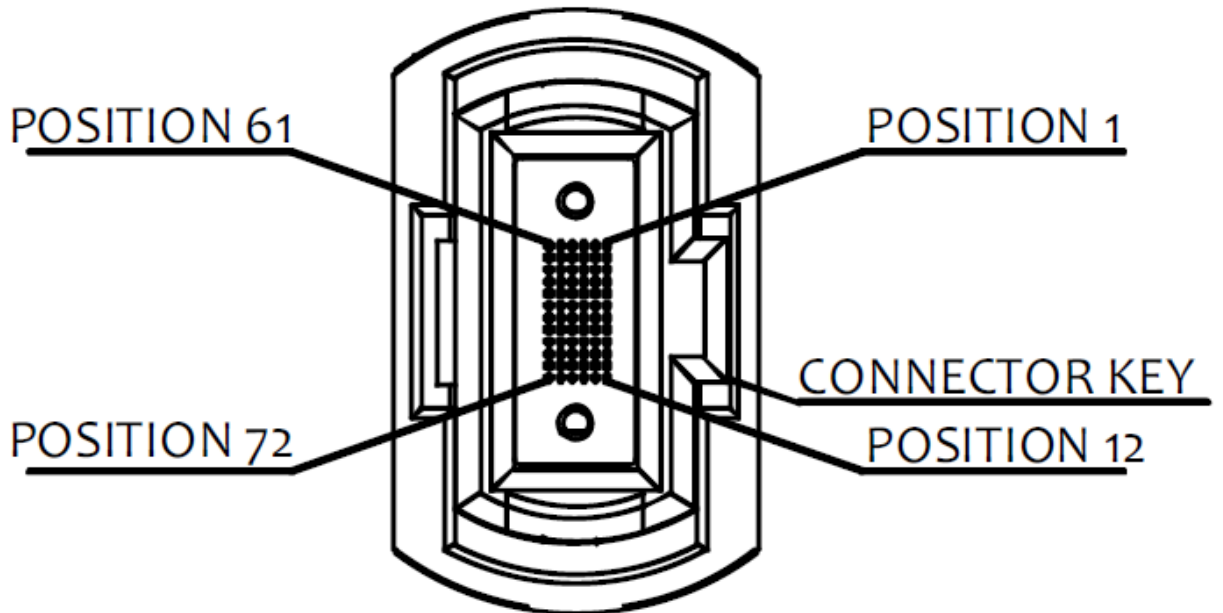


Figure 5: Fibre numbering in 72-fibres MTP.