

FIBER OPTIC PATCH CORDS - TRANSMISSION DISTANCE COMPARISON

| Data Rate | Interface Type | Fiber Mode | Wavelength | Maximum Distance |
|------------|----------------|------------|--------------|------------------|
| 1G | 1000BASE-LX | OM5 | 850nm | 550m |
| | | OM4 | 1300nm | 550m |
| | | OM3 | 1300nm | 550m |
| | | OM2 | 1300nm | 550m |
| | | OM1 | 1300nm | 550m |
| | | SMF | 1310nm | 10km |
| | 1000BASE-SX | OM4 | 850nm | 550m |
| | | OM3 | 850nm | 550m |
| OM2 | | 850nm | 550m | |
| OM1 | | 850nm | 275m | |
| 10G | 10GBASE-SR | OM4 | 850nm | 400m |
| | | OM3 | 850nm | 300m |
| | | OM2 | 850nm | 82m |
| | | OM1 | 850nm | 33m |
| | 10GBASE-LRM | OM5 | 850nm | 220m |
| | | OM3 | 1300nm | 220m |
| | | OM2 | 1300nm | 220m |
| | | OM1 | 1300nm | 220m |
| | 10GBASE-LR | SMF | 1310nm | 10km |
| | 10GBASE-ER | SMF | 1550nm | 30km - 40km |
| 10GBASE-ZR | SMF | 1550nm | 80km - 100km | |
| 40G | 40G-BIDI | OM5 | 850nm | 200m |
| | | OM4 | 850nm | 150m |
| | | OM3 | 850nm | 100m |
| | 40GBASE-SR4 | OM5 | 850nm | 150m |
| | | OM4 | 850nm | 150m |
| | | OM3 | 850nm | 100m |
| | 40G-SWDM4 | OM5 | 850nm | 440m |
| | | OM4 | 850nm | 350m |
| | | OM3 | 850nm | 240m |
| | 40GBASE-LR4 | SMF | 1310nm | 10km |
| 40G | 100GBASE-SR4 | OM5 | 850nm | 100m |
| | | OM4 | 850nm | 100m |
| | | OM3 | 850nm | 70m |
| | 100G-SWDM4 | OM5 | 850nm | 150m |
| | | OM4 | 850nm | 100m |
| | | OM3 | 850nm | 75m |
| | 100GBASE-SR10 | OM4 | 850nm | 125m |
| | | OM3 | 850nm | 100m |
| | 100GBASE-LR4 | SMF | 1310nm | 10km |
| | 100GBASE-ER4 | SMF | 1310nm | 40km |