

Optical Fibre Transmission Distance

Fibre Type	Core & Cladding	Quality Type	Gigabit @ 850nm	Gigabit @ 1300nm	10 Gigabit @ 850nm	10 Gigabit @ 1300nm
OM1	62.5/125	Standard	300m	600m	25m	300m
OM1	62.5/125	H. Grade	500m	1000m	65m	450m
OM2	50/125	Standard	600m	600m	83m	300m
OM2	50/125	H. Grade	750m	2000m	110m	900m
OM3	50/125	Standard	900m	550m	300m	300m
OS1	8/125	H. Grade	10Km	40Km	10Km	40Km

The Standard Gigabit table covers the 'First Window' of operation and this equates to transmission drive distance:

- Standard Multi-Mode 850nm SX
- High Grade Multi-Mode 850nm SX & SR
- Single Mode 1310nm LR

The 'Second Window' of operation and transmission drive distances:

- Standard Multi-Mode 1300nm LX
- High Grade Multi-Mode 1300nm LX4
- Single Mode 1550nm ER