



Specification :
Material :
1. MTP Connector : Female

Mode	MT Ferrule	Housing	Boot	Cap
MM	12 Fibers MM Black(PPS)	Ivory/Black/Aqua/Violet(PBT)	Black(TPR)	Black(TPR)
MM Low Loss	12 Fibers MM Low Loss Black(PPS)	Aqua/Violet(PBT)	Black(TPR)	Black(TPR)
SM APC	12 Fibers SM Black(PPS)	Green(PBT)	Black(TPR)	Black(TPR)
SM Low Loss	12 Fibers SM Low Loss Black(PPS)	Yellow(PBT)	Black(TPR)	Black(TPR)

2. LC Connector :

Model	Ferrule	Housing	Clip	Boot	Cap
MM	Zirconia(Ø1.25mm)	Ivory(PC)	Ivory(PP)	White(TPE)	White(PE)
SM	Zirconia(Ø1.25mm)	Blue(PC)	Blue(PP)	White(TPE)	White(PE)
APC	Zirconia(Ø1.25mm)	Green(PC)	Green(PP)	White(TPE)	White(PE)

3&4. Cable Type : 12C Ø6.5mm Trunk Cable with Ø3.0mm Round Cable

5. Tubing Type : Ø2.0mm Tubing

Category	Jacket O.D.	Jacket Material	Color
OM1(62.5/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Orange
OM2(50/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Orange
OM3(50/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Aqua
OM4(50/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Aqua
G.652D(9/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Yellow
G.657A2(9/125um)	Ø6.5mm&Ø3.0mm&2.0mm	PVC OFNR/PVC OFNP/LSFRZH	Yellow

6. Heat Shrink Tubing Length : 5.0cm

7. Heat Shrink Tubing Length : 8.0cm

8. Marking Tubing Length : 1.0cm

Performance :

a. Insertion Loss & Return Loss :

	MM	MM Low Loss	SM	SM Low Loss
IL(MTP)	<0.5 dB	<0.35 dB	APC<0.75 dB	APC<0.35 dB
IL(LC)	<0.5 dB	<0.20 dB	<0.3 dB	<0.3 dB
RL(MTP)	>20 dB	>20 dB	APC≥60 dB	APC≥60 dB
RL(LC)	>35 dB	>35 dB	SPC≥45 dB,UPC≥55 dB APC≥60 dB	SPC≥45 dB,UPC≥55 dB APC≥60 dB

Performance :

b. Fiber Overcut(MTP) : 1.0~3.0um

c. Fiber Extension: $-0.05\mu\text{m} < H < +0.05\mu\text{m}$

d. Ø1.25mm Ferrule End-face Radius: $7 < R < 25\text{mm}$

Ø1.25mm/APC Ferrule End-face Radius: $5 < R < 12\text{mm}$

e. Apex Offset : $< 50\mu\text{m}$

f. Insertion Loss will be Increased after 500 mating: 0.2 dB Max

g. Operating Temperature: -20°C to $+70^{\circ}\text{C}$

h. Storage Temperature: -40°C to $+80^{\circ}\text{C}$

