



Specification :

Material :

1. MTP Connector : Female

Mode	MT Ferrule	Housing	Boot	Cap
MM	12 Fibers MM Black(PPS)	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 Uniboost Connector :

Mode	Ferrule	Housing	Stopper	Clip	Boot	Tube	Cap
MM	Zirconia(ø1.25mm)	Aqua/Violet(PC)	Red/Black(PC)	Aqua/Violet(ABS+PC)	White(TPEE)	White(PVC)	White(PE)
MM Low Loss	Zirconia(ø1.25mm)	Aqua/Violet(PC)	Red/Black(PC)	Aqua/Violet(ABS+PC)	White(TPEE)	White(PVC)	White(PE)
SM	Zirconia(ø1.25mm)	Blue(PC)	Red/Black(PC)	Blue(ABS+PC)	White(TPEE)	White(PVC)	White(PE)
SM APC	Zirconia(ø1.25mm)	Green(PC)	Red/Black(PC)	Green(ABS+PC)	White(TPEE)	White(PVC)	White(PE)

3&4. Cable Type : 8C ø6.5mm Trunk Cable with ø3.0mm Round Cable

5. Tubing Type : ø3.0mm Tubing

Category	Cable O.D.	Tubing O.D.	Jacket Material	Color
OM3(50/125um)	ø6.5mm&ø3.0mm	ø3.0mm	PVC OFNR/PVC OFNP/LSFRZH	Aqua
OM4(50/125um)	ø6.5mm&ø3.0mm	ø3.0mm	PVC OFNR/PVC OFNP/LSFRZH	Aqua/Violet
G.652D(9/125um)	ø6.5mm&ø3.0mm	ø3.0mm	PVC OFNR/PVC OFNP/LSFRZH	Yellow
G.657A2(9/125um)	ø6.5mm&ø3.0mm	ø3.0mm	PVC OFNR/PVC OFNP/LSFRZH	Yellow

6. Heat Shrink Tubing Length : 5.0cm

7. Heat Shrink Tubing Length : 8.0cm

8. Marking Tubing Length : 3.0cm

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	<0.15 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	UPC>55 dB,APC>60 dB	UPC>55 dB,APC>60 dB

Performance :

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

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

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 : < 50um

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 $+80^{\circ}\text{C}$

GENERAL TOLERANCE OF DIMENSIONS X.XXX ±0.005 X.XX ±0.05 X.X ±0.1	DRAWING	31.MAY.2016			TIETOSÄHKÖ OY	
	CHECK	31.MAY.2016				
	APPROVAL	31.MAY.2016				
	DATE		NAME			ITEM NO.:
	SCALE	1/2 (A4)	UNIT	mm	DES.:	Trunk Harness MTP/Female to LC Uniboost Patch Cord
					DRAWING NO.	8C 12F MTP(F) to 4xLC Uniboost for QSFP(SA2)
					DRAWING CLASSIFICATION	S SHEET 1 OF 1

1

2

0

3

4

10cm

5

6