

QUALITY MASTER JUMPERS

Master Jumpers for Inspection Measurement



SENKO introduces quality master jumpers, using the highest grade ferrules available. They are used for referencing and for mass-production measurements.

FEATURES

- Best used for inspection and measurement
- Fiber core concentricity is measured 100%
- Concentricity is tuned to the key

LOW LOSS JUMPER

Connectors	SC, FC, ST, LC, MU
Insertion Loss	1330/1550 Max 0.1 dB (Ave. 0.05dB)
Fiber Core Concentricity	0.5µm
Radius of Curvature	10~25mm
Apex Offset	30µm
Return Loss (UPC)	1330/1550 ≤ 55dB
Return Loss (APC)	1330/1550 ≤ 65dB

SC APC 2mm



SC UPC 900µm



FC APC 2mm



FC UPC 900µm



LC APC 2mm



LC UPC 900µm



MU UPC 2mm



MU UPC 900µm



MPO Master Jumper / MPO Reference Jumper

QUALITY MASTER JUMPERS

for Inspection Measurement



SM Angle Master Jumper



MM Flat Master Jumper
OM4



MM Flat Master Jumper
OM3

MPO LOW LOSS JUMPER	SINGLEMODE	MULTIMODE
GOLDEN MASTER Insertion Loss (dB)	Random Mating Max ≤ 0.15 , Average, ≤ 0.10	
Production Reference Jumper Insertion Loss (dB)	Against Golden Master Max ≤ 0.20 , Average ≤ 0.12	
Return Loss (dB)	≥ 65	≥ 30
Polished Ferrule Length	$\geq 7.9\text{mm}$	
Surface Tilt Angel X (long)-axis	0 ± 0.2 degrees	
Surface Tilt Angel Y (short)-axis	8 ± 0.2 degrees	0 ± 0.2 degrees
Fiber Height	1500 - 2500nm	
Fiber Differential Height - All	$\leq 200\text{nm}$	
Fiber Differential Height - Adj.	$\leq 150\text{nm}$	
Radius of Curvature X-axis	$\geq 2000\text{mm}$	
Radius of Curvature Y-axis	$\geq 50\text{mm}$	
Core Dip	N/A	0 - 100nm

Note: Golden Master jumper are built with the highest grade MPO connector available and are used for reference connector measurements. Production Reference jumpers are built with the second highest grade MPO connector and are used for mass-production connector measurements.

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