

# 50 μm Reference Jumpers for System Testing

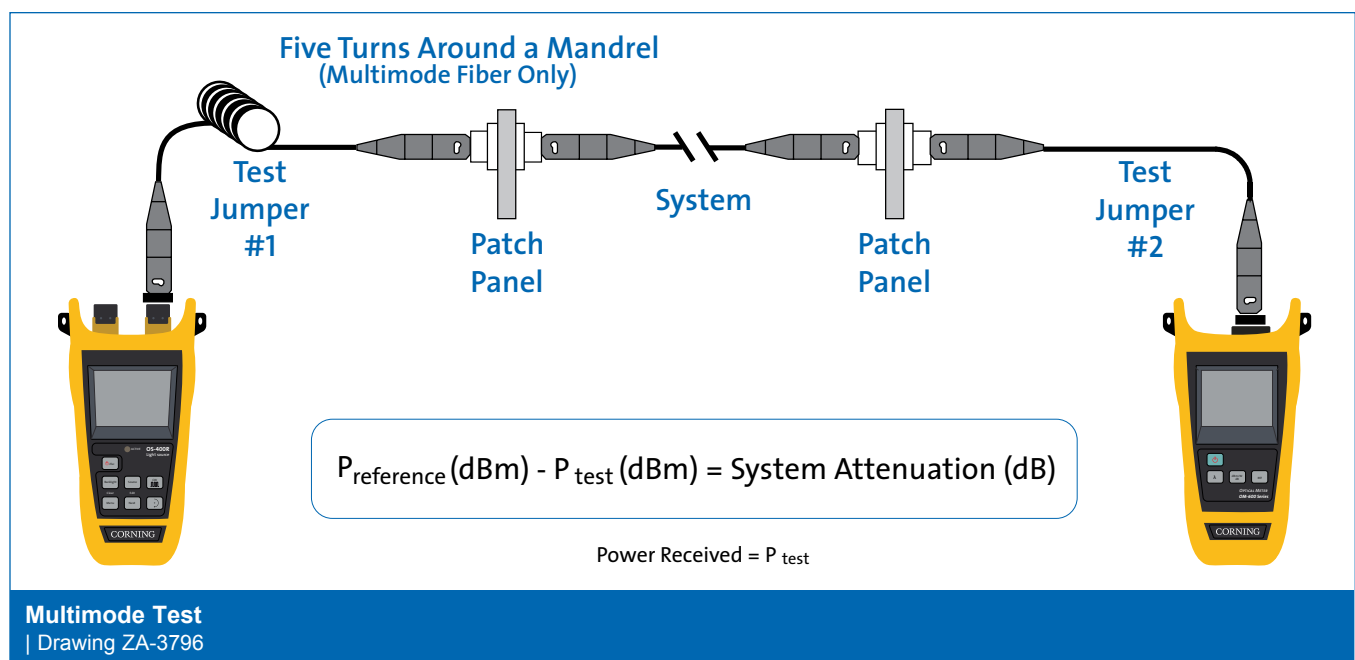
A LANscape®  
Solutions Product

## features and benefits |

<b>Multiple connector options including LC, SC, ST® Compatible and FC</b>	Configurations to meet any testing application
<b>LC and SC maximum insertion loss of 0.1dB</b>	Increased accuracy
<b>Labels at each end of the jumper</b>	Easy identification
<b>Blue cable jacket</b>	Quick and easy identification as a reference jumper

Corning Cable Systems' 50 μm reference jumpers provide precise end-to-end insertion loss testing for all bend-improved and legacy 50 μm systems. Conventional field testing practices include using an OFL test source and meter, a 50 μm test jumper (such as Corning Cable Systems 50 μm reference jumpers) and a mandrel as specified in OFSTP-14.

All multimode optical fibers propagate a plurality of guided optical modes, with communications links designed to operate using these guided modes. An improperly conditioned launch from test equipment can possibly result in light launching into leaky modes as with any optical fiber. Corning Cable Systems' reference jumpers remove the leaky modes to avoid elevated link attenuation readings throughout the test. Accurate field measurements are critical since attenuation is typically the only field verified parameter in multimode fiber links. Corning Cable Systems' reference jumper solutions provide the speed, accuracy and reliability to achieve maximum system performance.



# 50 $\mu\text{m}$ Reference Jumpers for System Testing

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Reference Jumper  
| Photo LAN2212



Reference Jumper  
| Photo LAN2213

## ordering information |

Reference Jumper Part Number (Legacy 50 $\mu\text{m}$ )	Description	Insertion Loss Per Connector (dB), max
393901S21RF002M	SC/SC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1
033901S21RF002M	LC/SC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1
030301S21RF002M	LC/LC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1
395001S21RF002M	SC/ST® Compatible, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1 (SC), 0.25 (ST Compatible)
173901S21RF002M	FC/SC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1 (SC), 0.25 (FC)
035001S21RF002M	LC/ST Compatible, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1 (LC), 0.25 (ST Compatible)
031701S21RF002M	LC/FC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.1 (LC), 0.25 (FC)
175001S21RF002M	FC/ST Compatible, 2.0 mm single-fiber riser (blue jacket), 2 m	0.25
505001S21RF002M	ST/ST Compatible, 2.0 mm single-fiber riser (blue jacket), 2 m	0.25
171701S21RF002M	FC/FC, 2.0 mm single-fiber riser (blue jacket), 2 m	0.25

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