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877.342.3773

PERFORMANCE HIGHLIGHTS

Provides Accurate & Repeatable Testing
End-face Geometry Standards Stricter Than Telcordia
Test Data Supplied With Every Cable
Operating Temperature Range of -40°C through $+75^{\circ}\text{C}$
NIST Traceable



To set precise reference conditions for loss testing, you can depend on test and reference cables from Storm Products—Fiber Optics.

Storm's test and reference cables provide the accurate and repeatable testing that is necessary to eliminate the possibility of failing good product and passing bad product. Available in three grades—test, reference, and master level—these cables are designed to test and verify single-mode fiber optic components.

The high-grade, singlemode assemblies are NIST traceable and feature connectors finished with Storm's precision polishing process to exceed Telcordia end-face geometry standards. Insertion loss can be as low as 0.01 dB and return loss as low as -60 dB (PC) and -75 dB (APC) for master level cables.



SPECIFICATIONS

POLISH TYPE	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	TEST	REFERENCE	MASTER	TEST	REFERENCE	MASTER
PC	0.20 to 0.30	0.10 to 0.19	0.00 to 0.09	-51.0 to -53.4	-53.5 to -56.4	-56.5 to -60.0
APC	0.20 to 0.30	0.10 to 0.19	0.00 to 0.09	-65.0 to -67.4	-67.5 to -71.4	-71.5 to -75.0

WAVELENGTH (nm)	THERMAL STABILITY (dB)	OPERATING ENVIRONMENT (°C)	NON-OPERATING ENVIRONMENT (°C)	DURABILITY (dB)
1290-1600	< 0.15	-40 to +75	-55 to +85	0.10 (500 cycles)

ENDFACE GEOMETRY FOR PC POLISH

	TOLERANCE
FIBER HEIGHT (nm)	+ 50 /- IEC Variable Formula
RADIUS OF CURVATURE (mm)	7 to 25
APEX OFFSET (µm)	< 50

ENDFACE GEOMETRY FOR APC POLISH

	TOLERANCE
FIBER HEIGHT (nm)	+ 50 /- IEC Variable Formula
RADIUS OF CURVATURE (mm)	5 to 12
APEX OFFSET (µm)	< 50
ANGULAR OFFSET (degrees)	7.5 to 8.5

Serialized interferometer test data, return loss, and insertion loss.



ORDERING INFORMATION

TEST CABLE ASSEMBLIES

55T-180-**Y****Y***-003M

DESCRIPTION

Singlemode, 3.0 mm Simplex, 3 Meters

REFERENCE CABLE ASSEMBLIES

55R-180-**Y****Y***-003M

DESCRIPTION

Singlemode, 3.0 mm Simplex, 3 Meters

MASTER CABLE ASSEMBLIES

55M-180-**Y****Y***-003M

DESCRIPTION

Singlemode, 3.0 mm Simplex, 3 Meters

*Connector codes must be listed in alphabetical order.

YY = CONNECTOR CODES*

TYPE	CODE
LC	L
SC	T
SC (APC)	Q
FC	P
FC (APC)	U
ST Compatible	R

EXAMPLES:

55T-180-TU-003M:
Singlemode test cable, 3 mm simplex, SC(PC) TO FC(APC), 3 meters