



## EXACTEST STANDARD Precision Microwave Test Cables, 26.5GHz

### Features

- VSWR 1.30:1 Max up to 26.5GHz
- 76% Phase Velocity
- Double Shielded
- Shielding Effectivity >90dB
- FEP Outer Jacket
- ET26S Series
- Connector options 3.5mm / SMA / N / TNC



### ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Frequency	DC		26.5	GHz
VSWR, 6GHz			1.15:1	@6GHz, 3.5mm/SMA/N/TNC
VSWR, 18GHz			1.25:1	@18GHz, 3.5mm/SMA/N/TNC
VSWR, 26.5GHz			1.30:1	@26.5GHz, 3.5mm/SMA
Velocity of Propagation		76		%
Dielectric Withstand		1000		Volts
RF Shielding	90			dB
Temperature	-55		125	° C
Amplitude Stability			±0.03	dB @ 26.5GHz
Bending Phase Stability			±2.7	° @ 26.5GHz

### Performance by Frequency

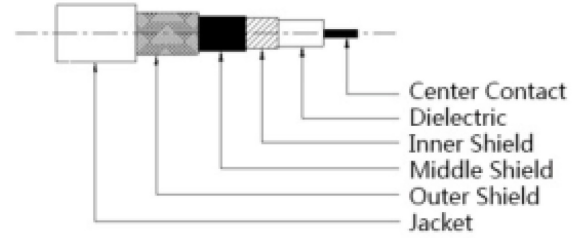
Frequency (MHz)	Max Insertion Loss(25° C) dB/100ft	Average Power(40° C @ Sea Level) Watts
1000	9.97	553
3000	17.50	315
6000	25.07	220
10000	32.78	168
12000	36.10	153
18000	44.81	123
26500	55.22	100

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## EXACTEST STANDARD Precision Microwave Test Cables, 26.5GHz

Construction	
Item	Material
1	Center conductor, silver plated copper wire
2	Dielectric, LDPTFE
3	Internal shield, silver plated flat copper wire braid
4	Middle layer, LDPTFE
5	Outer Shield, silver plated copper wire braid
6	Jacket, FEP



MECHANICAL SPECIFICATION, CONNECTORS		
Description	Connector 1	Connector 2
Type	3.5mm/SMA	3.5mm/SMA
Interface Spec	MIL-STD-348	MIL-STD-348
Mating Cycles	5000	5000
Hex Wrench Size	5/16 in	5/16 in
Mating Torque	8-10in-lbs/0.9-1.13nm	8-10in-lbs/0.9-1.13nm
Material	Stainless Steel	Stainless Steel
Pin	Gold Plated BeCu	Gold Plated BeCu
Dielectric Type	PTFE	PTFE

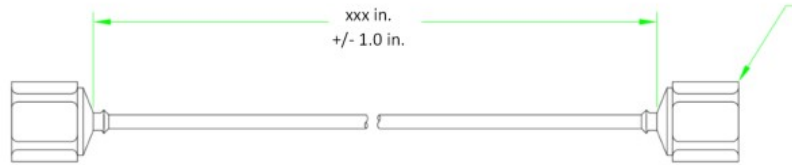
MECHANICAL SPECIFICATION, CABLE	
Description	Specification
Cable Type	ET26S
Diameter	0.18in. (4.6mm)
Weight	0.051kg/m
Minimum Bend Radius, Static	0.98in. (25mm)
Minimum Bend Radius, Dynamic	1.97in. (50.0mm)
Length	Customer Specified

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## EXACTEST STANDARD Precision Microwave Test Cables, 26.5GHz

### Ordering Information



Connector Options:

- 3.5mm
- SMA
- N-Type
- TNC

Part Number Configurator			
Series	Connector 1	Connector 2	Length (in)
EM-ET26S	XXXX	XXXX	-XXX

Connector 1		Connector 2	
3.5mm Male	350M	3.5mm Male	350M
3.5mm Female	350F	3.5mm Female	350F
SMA Male	SMAM	SMA Male	SMAM
SMA Female	SMAF	SMA Female	SMAF
N-Type Male	NTPM	N-Type Male	NTPM
N-Type Female	NTPF	N-Type Female	NTPF
TNC Male	TNCM	TNC Male	TNCM
TNC Female	TNCF	TNC Female	TNCF

\*\* - If Connector 1 equals Connector 2, leave Connector 2 blank

### Example:

EM-ET26S350M-048, 48 inch cable with 3.5mm male connectors both ends.

EM-ET26SSMAMSMAMAF-024, 24 inch cable with SMA male and SMA Female connectors.

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