

# ACCU-TEST®

## 150 & 200 SERIES



### PHASE STABLE TEST & MEASUREMENT CABLE ASSEMBLIES



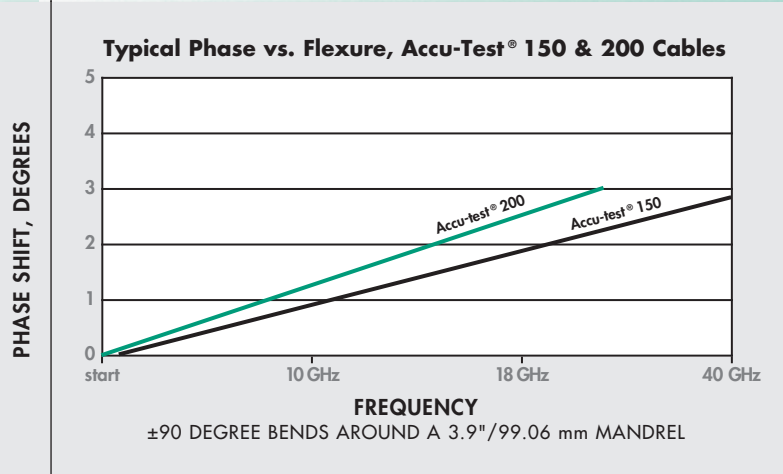
If you're responsible for testing RF and microwave electronics systems and hardware, you should know:

For over 20 years, Storm Products has been developing and delivering standard and custom Test & Measurement solutions to meet challenging needs like yours.

Take our **Accu-Test® cable assemblies**.

The Accu-Test® line of assemblies was designed to provide **exceptional performance in applications requiring both durability and phase stability vs. flexure.**

The result? Calibration accuracy is maintained, with worry-free handling.



#### FEATURES

- ~ Phase and amplitude stable with flex
- ~ Flexible
- ~ Crush & kink resistant armoring and ruggedizing options
- ~ Phase matching options
- ~ Off-the-shelf standard assemblies

#### BENEFITS

- ~ Calibration accuracy is maintained
- ~ Easy to use
- ~ Longer life
- ~ Ideal for comparative measurements
- ~ Reduces down time



**TELEDYNE  
STORM MICROWAVE**  
Everywhereyoulook™

High value microwave and electronic interconnect solutions

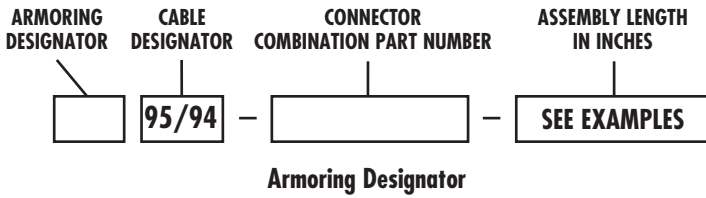
[www.teledynestorm.com/microwave](http://www.teledynestorm.com/microwave)

# ACCU-TEST®

## 150 & 200 SERIES

# PHASE STABLE CABLE ASSEMBLIES

### ORDERING INFORMATION: Part Number Designation



Insert a **0** for Unarmored cable 95    Leave **Blank** for Unarmored cable 94

- R** Ruggedized (polyurethane jacket)    **SA** Soft Armored (Neoprene® jacket)  
**A** Hard Armored (polyolefin jacket)    (available on Accu-Test 200 only)

#### EXAMPLES:

095-0004-**048** = Unarmored Accu-Test® 150, 2.9 mm SP to 2.9 mm SP  
 (assembly operates to 40 GHz), **48 inches**

SA94-246-**120** = Soft Armored Accu-Test® 200, 3.5 mm SP to SMA RAP  
 (assembly operates to 18 GHz), **120 inches**

### ACCU-TEST® 150 CABLE 95 CONNECTOR COMBINATION PART NUMBERS\*

CONNECTOR OPERATING FREQUENCY

	40 GHz				
	2.4 mm SP	2.4 mm NMD SJ	2.9 mm SP	2.9 mm SJ	
40 GHz	2.4 mm SP	0007	0008	0009	0010
	2.4 mm NMD SJ	0008	0001	0002	0003
	2.9 mm SP	0009	0002	0004	0005
	2.9 mm SJ	0010	0003	0005	0006

### ACCU-TEST® 200 CABLE 94 CONNECTOR COMBINATION PART NUMBERS\*

CONNECTOR OPERATING FREQUENCY

	26.5 GHz		18 GHz						
	3.5 mm SP	3.5 mm SJ	7 mm	SMA SP	SMA RAP	SMA SJ	N SP	TNC SP	
26.5 GHz	3.5 mm SP	240	245	241	204	246	242	229	217
	3.5 mm SJ	245	285	255	209	286	264	234	222
	7 mm SP	241	255	251	205	256	252	230	218
	SMA SP	204	209	205	201	210	206	203	202
18 GHz	SMA RAP	246	286	256	210	291	265	235	223
	SMA SJ	242	264	252	206	265	261	231	219
	N SP	229	234	230	203	235	231	228	216
	TNC SP	217	222	218	202	223	219	216	215

\* Other connector styles available; consult Storm

The basic Accu-Test® cable is designed to be durable. However, for those applications requiring added durability, Accu-Test® assemblies are also available in ruggedized, armored, and soft armored versions. For more information about these options, see our Test & Measurement catalog, visit our website, or contact Teledyne Storm Microwave or your local representative.

SPECIFICATIONS	ACCU-TEST®	
	150	200
<b>Cable Designator</b>	<b>95</b>	<b>94</b>
Diameter (in./mm)	0.150/3.81	0.200/5.08
Max Frequency (GHz)	40	26.5
Phase Matching	Available	Available
Phase Stability vs. Flex, typ (degrees @ max frequency)	±3	±3
Amplitude Stability vs. Flex, typ (dB @ max frequency)	0.060	0.040
Attenuation, nom (dB/ft @ max frequency)	0.94	0.61
Shielding Effectiveness, min (dB @ 1 GHz)	> -100	> -100
Typical VSWR (2 straight connectors)	1.15:1 @ 18 GHz 1.30:1 @ 40 GHz	1.15:1 @ 18 GHz 1.25:1 @ 26.5 GHz
Min Bend Radius (in./mm) Static	1/25.4	1/25.4
Weight (grams/ft/m)	11.50/37.73	20.00/65.62
Temperature Range (°C)	-54 to +150	-54 to +150

Specifications subject to change without notice.

#### CONNECTOR CODES

SP	Straight Plug
SJ	Straight Jack
NMD	Ruggedized Test Port Connector
RAP	Right-Angle Plug



**TELEDYNE  
STORM MICROWAVE**  
Everywhere you look™

Teledyne Storm Products  
 Microwave Business Unit  
 10221 Werch Drive  
 Woodridge, Illinois 60517

Tel 630.754.3300  
 Fax 630.754.3500  
 Toll Free 888.347.8676  
 storm\_microwave@teledyne.com

[www.teledynestorm.com/microwave](http://www.teledynestorm.com/microwave)

04/12

