

# 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:

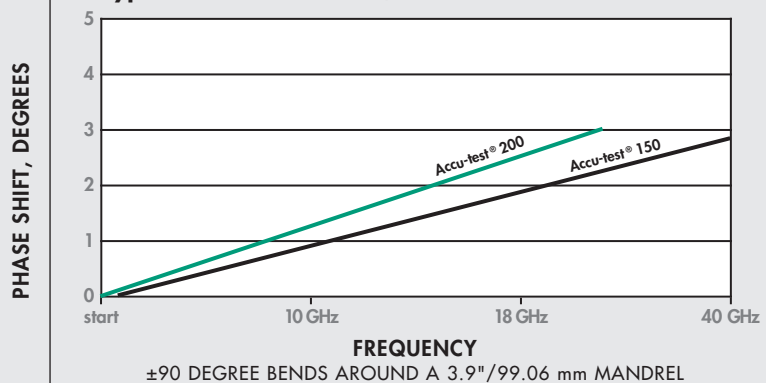
For over 35 years, Teledyne Storm has been developing and delivering standard and custom Test & Measurement solutions to meet challenging needs like yours.

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.

Typical Phase vs. Flexure, Accu-Test® 150 & 200 Cables



#### 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

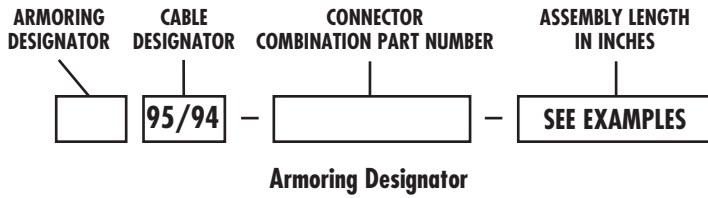
[www.teledynestorm.com](http://www.teledynestorm.com)

# 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
18 GHz	7 mm SP	241	255	251	205	256	252	230	218
	SMA SP	204	209	205	201	210	206	203	202
	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

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)	0.154/3.91	0.200/5.08
Max Frequency (GHz)	40	26.5
Phase Matching	Available	Available
Phase Stability vs. Flex, typ (@ max frequency)	±14.3*	±6*
Amplitude Stability vs. Flex, typ (dB @ max frequency)	0.060	0.040
Attenuation, nom (dB/ft @ max frequency)	0.924	0.61
Shielding Effectiveness, min (dB @ 1 GHz)	> 105	> 90
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	0.75/19.05	2/5.08
Weight (grams/ft & /m)	12.04/39.50	20.00/65.62
Temperature Range (°C)	-55 to 110	-55 to +125

*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**  
Everywhereyoulook™

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

AS9100/ISO 9001 REGISTERED

\* Other connector styles available; consult Storm