

# STORM FLEX®

## 034 SERIES



### DURABLE, ULTRA SMALL & FLEXIBLE TEST ASSEMBLY



**An extension of our time-tested Storm Flex® line of flexible cables, the 034 diameter cable offers the same superior mechanical benefits in a new miniature size.**

Its ruggedness and durability combined with its ultra-small size, very low weight, and extreme flexibility make Storm Flex® 034 cable assemblies the perfect fit for applications such as:

**Test & Measurement** ~ where flexibility and robustness minimize mating errors.

**Systems** ~ with complex installation or deployment that can compromise mechanical & RF stability.

**Gimbal** ~ with requirements for cables operating to 50 GHz.

**Digital Test** ~ needing minimized stress at the connector to connector interface.

**High Density** ~ utilizing multi-cable interconnects with centerline spacing as low as 0.07 inches.

Storm Flex® 034 cable is also recommended as a **semi-rigid replacement** in applications where a semi-rigid cable is impractical to deploy and routing may result in assembly breakage or electrical failure.

#### FEATURES

- ~ Silver-plated copper-clad steel center conductor
- ~ Silver-plated copper alloy inner braid
- ~ Silver-plated stainless steel outer braid

#### ADVANTAGES

- ~ High mechanical strength
- ~ Low Taber value
- ~ High connector retention

#### BENEFITS

- ~ Improved lifecycle
- ~ Minimized measurement errors
- ~ Routable without damage
- ~ Improved reliability



**TELEDYNE**  
**STORM MICROWAVE**  
Everywhereyoulook™

High value microwave and  
electronic interconnect solutions

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

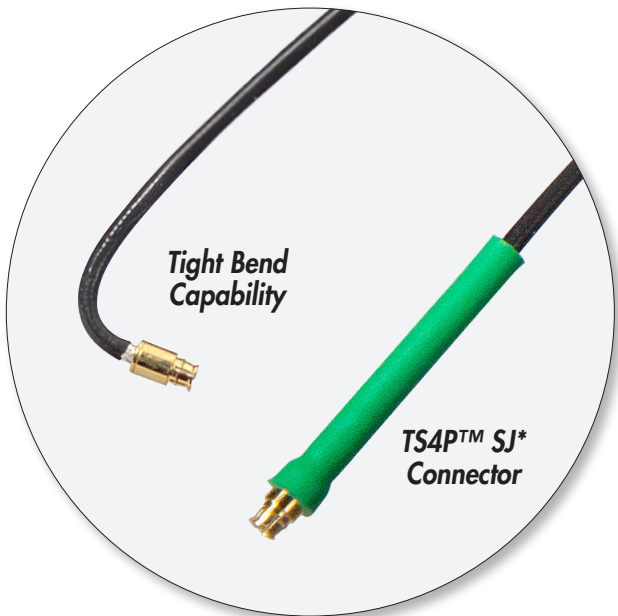
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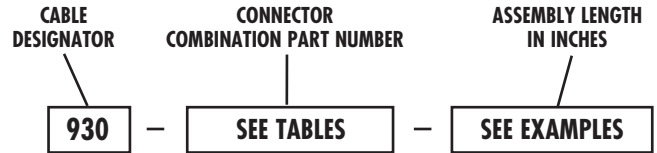
## ULTRA FLEX TEST ASSEMBLY

SPECIFICATIONS		STORM FLEX® 034
<b>Cable Designator</b>		<b>930</b>
Diameter (in/mm)		0.035/0.889
Max Frequency (GHz)		50
Attenuation–Nominal @ 1 GHz (dB/ft)		0.54
Attenuation–Nominal @ 26.5 GHz (dB/ft)		3.05
Attenuation–Nominal @ 50 GHz (dB/ft)		4.358
VSWR	Typ @ 50 GHz	1.30:1
	Max @ 50 GHz	1.45:1
Shielding Effectiveness (dB, 0-18 GHz)		> 75
Minimum Centerline Bend Radius (in/mm), static		0.030/0.762
Connector Retention (lbs/kg min), straight pull		8/3.63
Connector Retention (lbs/kg min), right angle pull		3/1.36
Weight (grams/ft & /m)		0.66/2.17
Operating Temperature Range (°C)		-55 to +125

Specifications subject to change without notice.



### ORDERING INFORMATION: Part Number Designation



### EXAMPLES:

930-0505-024 = Storm Flex® 034, SMK SP to SMK SP (assembly operates to 40 GHz), 24 inches

930-8080-010 = Storm Flex® 034, TS4P™ SJ to TS4P™ SJ (assembly operates to 50 GHz), 10 inches

### CONNECTOR COMBINATION PART NUMBERS

		CONNECTOR OPERATING FREQUENCY			
		40 GHz	50 GHz		
		SMK SP	MM4S SJ	2.4 mm SP	TS4P™ SJ*
40 GHz	SMK SP	0505	0571	0506	0580
	MM4S SJ	0571	7171	0671	7180
50 GHz	2.4 mm SP	0506	0671	0606	0680
	TS4P™ SJ*	0580	7180	0680	8080

\* Mates with Corning Gilbert G4PO

### CONNECTOR CODES

SP	Straight Plug
SJ	Straight Jack



AS9100/ISO 9001 REGISTERED

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PR1-0024 Rev A