

DURATEST™

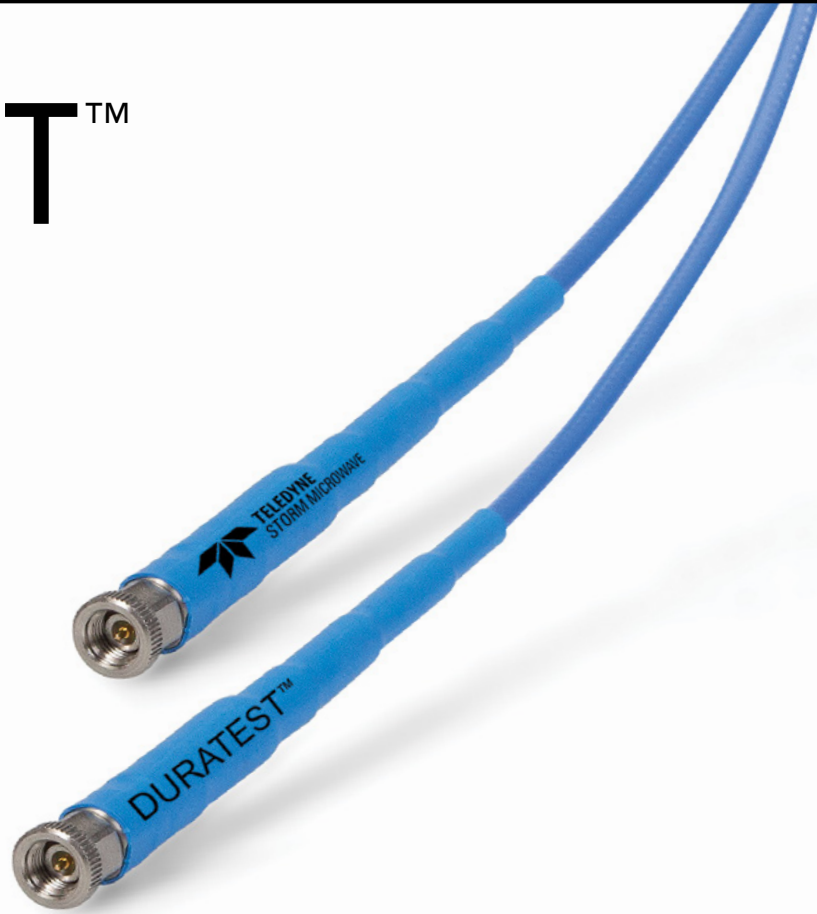
150 SERIES

OPERATING TO 40 GHz

distributed by

elspec group
GmbH

Lauterbachstraße 23c | 82538 Geretsried-Gelting
Tel: +49 8171 4357-0 | sales@elspecgroup.de



WHEN FAILURE IS NOT AN
OPTION AND COST
IS A CONSIDERATION



Test engineers found DuraTest™ extra durable, everyday test assemblies so valuable at 26.5 GHz, they asked for the same attributes in a 40 GHz cable.

And they got it.

When you need a general purpose test assembly that can be counted on for the long haul, won't bust the budget, and verifies measurements to 40 GHz, you need a DuraTest™ 150 assembly.

DuraTest™ combines:

- The proven toughness of Teledyne Storm cable
- Captivated stainless steel connectors
- Proprietary Hard-To-Hurt™ strain relief technology

Resulting in an **extra durable, precision test assembly** that:

- Has an average flex life of 15,000 flexures
- Is guaranteed for one year

FEATURES

- ~ Extended frequency SMA plugs
- ~ Plugs have combination hex/knurl coupling nuts
- ~ Hard-To-Hurt™ strain relief
- ~ Stainless steel connector bodies

ADVANTAGES

- ~ Allows testing to 40 GHz
- ~ Easier to tighten, while still able to torque down
- ~ Reduces strain at connector/cable interface
- ~ Reduces interface wear

BENEFITS

- ~ One cable for broadband testing
- ~ Reduces fatigue; maintains repeatability
- ~ Extends assembly life; reduces costs
- ~ Extends assembly life, which reduces costs



**TELEDYNE
STORM MICROWAVE**
Everywhereyoulook™

High value microwave and
electronic interconnect solutions

www.teledynestorm.com

DURATEST™

150 SERIES – OPERATING TO 40 GHz

HARD-TO-HURT™
STRAIN RELIEF

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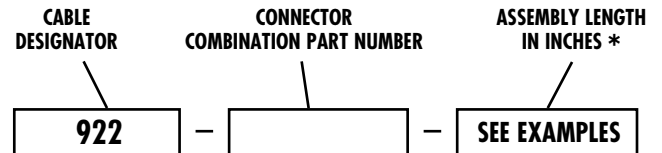


SPECIFICATIONS		DURATEST™ 150
Cable Designator		922
Diameter (in/mm)		0.154/3.91
Operating Frequency (Max, GHz)		40
Attenuation–Max @ 2 GHz (dB/ft)		0.21
Attenuation–Max @ 18 GHz (dB/ft)		0.66
Attenuation–Max @ 26.5 GHz (dB/ft)		0.81
Attenuation–Max @ 40 GHz (dB/ft)		1.02
Connector Retention (lbs/kg min), straight pull		40/18.1
Flexure (+/- 30° unrestrained pull)		15,000
Concentrated Load (lbs/linear inch)		100
VSWR–Max (2 straight connectors)		1.30:1 @ 40 GHz
Min Bend Radius (in/mm)	Static	0.075/19.05
	Dynamic	1.50/38.10
Operating Temperature Range (°C)		-55 to +110

DuraTest™ is RoHS compliant

Specifications subject to change without notice.

ORDERING INFORMATION: Part Number Designation



EXAMPLES:

922-6565-048 = DuraTest™ 150, SMK SP to SMK SP (assembly operates to 40 GHz), 48 inches

922-0414-120 = DuraTest™ 150, 3.5 mm SP to 3.5 mm SJ (assembly operates to 26.5 GHz), 120 inches

* Minimum build length is 24 inches

CONNECTOR COMBINATION PART NUMBERS

		CONNECTOR OPERATING FREQUENCY							
		26.5 GHz				40 GHz			
		3.5 mm SP	3.5 mm SJ	SMK SP	SMK SP (knurl)	SMK SJ	SMK NMD	2.4 mm SP	2.4 mm NMD
26.5 GHz	3.5 mm SP	0404	0414	0465	0405	0415	0445	0406	0446
	3.5 mm SJ	0414	1414	1465	0514	1415	1445	0614	1446
	SMK SP	0465	1465	6565	0565	1565	4565	0665	4665
40 GHz	SMK SP (knurl)	0405	0514	0565	0505	0515	0545	0506	0546
	SMK SJ	0415	1415	1565	0515	1515	1545	0615	1546
	SMK NMD	0445	1445	4565	0545	1545	4545	0645	4546
	2.4 mm SP	0406	0614	0665	0506	0615	0645	0606	0646
	2.4 mm NMD	0446	1446	4665	0546	1546	4546	0646	4646

CONNECTOR CODES	
SP	Straight Plug
SJ	Straight Jack
NMD	Ruggedized Test Port Connector



AS9100/ISO 9001 REGISTERED

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