

The RHT, HPT, and DKT series use Semflex's own 50 ohm microporous cable and connectors designed for low VSWR and excellent phase stability up to 50 GHz. The RHT line features interchangeable connector heads which allow users to calibrate and then replace any interface with either a different gender or different connector type. Phase stability and repeatability are critical for calibrating and measuring devices with network analyzers. For this reason Semflex's test cable assemblies feature excellent phase stability. These cable assemblies are made specifically for the rigorous environments associated with medium and high volume testing with extra strain relief at the connector to cable junction. All three series of cable assemblies are stocked in standard lengths for quick delivery.

Applications	RHT	HPT	DKT
Laboratory setups	Yes	Yes	Yes
Vector Network Analyzers	Yes	Yes	Yes
Scalar Network Analyzers	Yes	Yes	Yes
Power Handling	No	Yes	Yes*
Outdoor / Field Testing	Yes*	Yes	No
Chemical Resistance conditions	No	Yes	No

*Application specific

Cable Jackets & Outer Covers	RHT	HPT	DKT
Cable diameter.	.375 & .460	.120 TO .500	.200
Number of Different Dia.	2	5	1
Jackets Standard	Polyurethane	FEP	FEP
Polyurethane	Yes(std)	Yes	No
Armor	Yes (std)	No	Yes
Ruggudized	No	No	No
Nomex	No	No	No

Electricals	RHT	HPT	DKT
Maximum Frequency	50 GHz	50 GHz	18 GHz
VSWR (@18GHz)	1.20:1*	1.20:1*	1.25:1*
Low Insertion Loss	Yes	Yes	Yes
Impedance (ohms)	50	50	50
Shielding Effectiveness@18GHz	> -100dB/ft	> -90dB/ft	> -90dB/ft
Power Handling	Low	Low	Low
Conductor types	Solid	Solid	Solid

*With SMA straight male both ends

Environmental	RHT	HPT	DKT
Temperature Range (°C)	-65/+85	-65/+200	-65/+85
Temp/Humidity	Good	Excellent	Fair
Vibration Shock	Good	Excellent	Excellent
Abrasion	Excellent	Excellent*	Good

* with Nomex Jacket

Connectors	RHT	HPT	DKT
Replaceable heads	YES	NO	NO
SMA	M,F	M,F	M,F
Type N	M,F	M,F	M,F
TNC	M,F	M,F	M,F
ETNC	M,F	M,F	NO
7mm	M,F	Sexless	Sexless
3.5mm	M,F	M,F	NO
2,9mm	M,F	M,F	NO
2.4mm	M,F	M,F	NO
SC	NO	M,F	NO
HN	NO	M,F	NO
7/16	NO	M,F	NO

M- STRAIGHT MALE

F-STRAIGHT FEMALE

Connectors that are available may depend on cable size. Check specific cable sheets for connector availability.