



# Test Pro

## 5000 mating cycles guaranteed

Radiall has developed RF cable assemblies for test applications with new highly ruggedized stainless steel connectors. Our TestPro connectors are extremely robust. The combination of higher grade stainless steel and a unique attachment method offers a very reliable product that you can connect and disconnect over and over.

### High performance Test Cables

We offer 2 product categories to meet your needs:

- **TestPro 4.2 “Phase Stable”** is suitable for test benches in production or labs thanks to its very long life and great stability in dynamic use.
- **TestPro 5 & 8 “Ultra Low Loss”** allow the use of long length cables with remote test stations and anechoic chambers. Their high stability with temperature make them easy to use in temperature chambers. They are also suitable for High power applications.

Our optional crush protective jacket “ProJack” is excellent for all defense systems tests running outdoors.

Characteristics	TestPro 5 & 8 Ultra Low Loss	TestPro 4.2 Phase Stable
Frequency range	DC - 18GHz	DC - 20GHz
IL (dB/ft @ 2 GHz - @ 18 GHz)	0.06 - 0.21	0.16 - 0.58
Phase with flexure stability	7° @ 18 GHz	2° @ 18 GHz
Amplitude stability (dB @ 18GHz)	< 0.05	< 0.02
Shielding Effectiveness (@1GHz)	-110 dB min	-110 dB min
Crush resistance (lb/linear in.)	50	125
Minimum bend radius	1,0 inch	1,0 inch
Temperature (°C)	-70 / + 125 °C	-55 / + 105 °C
Standard lengths (in.)	39	36, 48, 72
Custom lengths	Yes	Yes
Phase matching	Available	Available
Connectors	SMA, N, TNC	SMA, N, PC7
Flexure life cycle	5,000	10,000
Mating cycles durability	5,000	5,000
Armor	Available	Available



## Order standard cable assemblies

Part Number	Model	Connectors		Length	Attenuation-Nom @ 2GHz - @ 18GHz	VSWR-Nom @ 18GHz
<b>TestPro 4.2 « Phase Stable »</b>						
R288 940 001	TestPro 4.2	SMA male	SMA male	36 in.	0.59 dB - 1.96 dB	1.20
R288 940 002	TestPro 4.2	SMA male	SMA male	48 in.	0.65 dB - 2.51 dB	1.20
R288 940 003	TestPro 4.2	SMA male	SMA male	72 in.	1.08 dB - 3.65 dB	1.20
R288 940 004	TestPro 4.2	SMA male	N Type (*)	36 in.	0.59 dB - 1.96 dB	1.25
R288 940 005	TestPro 4.2	SMA male	N Type (*)	48 in.	0.65 dB - 2.51 dB	1.25
R288 940 006	TestPro 4.2	SMA male	N Type (*)	72 in.	1.08 dB - 3.65 dB	1.25
R288 940 007	TestPro 4.2	N Type (*)	N Type (*)	36 in.	0.59 dB - 1.96 dB	1.25
R288 940 008	TestPro 4.2	N Type (*)	N Type (*)	48 in.	0.65 dB - 2.51 dB	1.25
R288 940 009	TestPro 4.2	N Type (*)	N Type (*)	72 in.	1.08 dB - 3.65 dB	1.25
R288 940 010	TestPro 4.2	PC7	PC7	36 in.	0.59 dB - 1.96 dB	1.30
R288 940 011	TestPro 4.2	PC7	PC7	48 in.	0.65 dB - 2.51 dB	1.30
R288 940 012	TestPro 4.2	PC7	PC7	72 in.	1.08 dB - 3.65 dB	1.30
R288 940 013	TestPro 4.2	PC7	SMA male	36 in.	0.59 dB - 1.96 dB	1.30
R288 940 014	TestPro 4.2	PC7	SMA male	48 in.	0.65 dB - 2.51 dB	1.30
R288 940 015	TestPro 4.2	PC7	SMA male	72 in.	1.08 dB - 3.65 dB	1.30
R288 940 016	TestPro 4.2	PC7	N Type (*)	36 in.	0.59 dB - 1.96 dB	1.30
R288 940 017	TestPro 4.2	PC7	N Type (*)	48 in.	0.65 dB - 2.51 dB	1.30
R288 940 018	TestPro 4.2	PC7	N Type (*)	72 in.	1.08 dB - 3.65 dB	1.30
<b>TestPro 5 &amp; 8 « Ultra Low Loss »</b>						
R288 931 001	TestPro 5	SMA male	SMA male	39.4 in.	0.42 dB - 1.25 dB	1.20
R288 931 002	TestPro 5	N Type	N Type	39.4 in.	0.42 dB - 1.25 dB	1.25
R288 931 003	TestPro 5	N Type	SMA male	39.4 in.	0.42 dB - 1.25 dB	1.25
R288 931 004	TestPro 8	SMA male	SMA male	39.4 in.	0.31 dB - 0.91 dB	1.25
R288 931 005	TestPro 8	N Type	N Type	39.4 in.	0.31 dB - 0.91 dB	1.25
R288 931 006	TestPro 8	N Type	SMA male	39.4 in.	0.31 dB - 0.91 dB	1.25

(\*) One turn precision N type connector

Or request your own assembly at [www.radiall.com/cableassembly](http://www.radiall.com/cableassembly)

