

# Low PIM Test Cables

## Affordable Super Flexible Armored Test Cables for the Real World

The test cables features a robust strain relief to counter the primary failure mode of the connector to cable junction. The highly flexible cable is encased in a crush proof stainless steel armored inner layer covered by a nylon mesh exterior layer. The male connectors are manufactured with hex/knurl coupling nut for torque wrench mating to provide accurate PIM measurements. The cables are phase and loss stable with excellent electrical performance to 6 GHz. Test cables meet a minimum PIM specification of -165 dBc. Cables are available in popular combinations of lengths with N and 4.3-10 connectors.

### FEATURES & BENEFITS

- Highly Flexible
- Rugged SST Armor
- Mesh Outer Jacket
- Phase & Loss Stable
- Robust Strain Relief
- RoHS Compliant
- Affordable

### CONTACT US

**Phone:** (858) 549-6340  
**Toll Free:** (800) 233-1728  
**Email:** rfi@rfindustries.com  
**Web:** www.rfindustries.com

**RF Industries**  
 7610 Miramar Road,  
 San Diego, CA 92126



### GENERAL SPECIFICATIONS

#### Cable Material

Inner Conductor..... Silver Plated Copper  
 Dielectric..... PTFE  
 Outer Conductor..... Double Silver Plated Copper Braid

#### Electrical Characteristics

Impedance..... 50Ω  
 Frequency Range..... DC-6GHz  
 3rd PIM (dBc) ..... ≤-165dBc @ 2 X +43dBm tones  
 VSWR..... <1.2@ DC-6GHz  
 Velocity of Propagation ..... 70%  
 Insertion Loss..... <2.5dB  
 Shielding Effectiveness..... > 100%

#### Environmental Characteristics

Temperature Range..... -55 degrees C to + 80 degrees C

Model Number	Connector	Connector	Cable Length
P2RFC-2559-60	N Male	4.3-10 female	1.5 meters
P2RFC-2560-60	N Male	4.3-10 male	1.5 meters
P2RFC-2638-39	N Male	N Male	1 meter