

## Golden Line Series Cables



### ◆ Product Introduction ◆

Golden Line series microwave test cable is a durable and cost-effective test cable. Its excellent performance is widely used in various test occasions and system interconnection. And it has an ultra stable cable design structure and uses wear-resistant stainless steel connectors, so that it can be plugged and unplugged for a long time and stably. It is particularly suitable for use in production, laboratory and field environments. At the same time, the test cable is also very competitive in system interconnection applications.

Option: 2.92mm/2.4mm/1.85mm NMD special protective head for network distribution

### ◆ Product Features ◆

- \* Long flex life;
- \* Super cost effectiveness;
- \* Outdoor using directly
- \* Super shielding properties;
- \* Phase & loss & mechanical stable;
- \* Various armor protecting selection;
- \* Frequency DC to 26.5GHz;
- \* Mating cycles, stainless steel connector.

### ◆ Application ◆

- \* R&D Labs;
- \* High Volume Production Test Stations;
- \* RF & Microwave Components 1 Module Testing;
- \* Instrument Test Equipment;
- \* Cellular Infrastructure Site Testing;
- \* Field Testing;
- \* RF Environment & Temperature Chambers.

◆ **Main Parameters** ◆

Electrical performance					
VSWR(Max)		3Ghz	6Ghz	18Ghz	26.5Ghz
	SMA 3.5mm	1.07	1.10	1.20	1.25
	N 3.5NMD	1.10	1.15	1.25	
	BNC	1.15			
Impedance		50 Q			
Spread rate		70%			
Shielding effectiveness		>100dB			
Capacitance		96.41 pf/Meter			
Mechanical phase stability		DC-10Ghz 1° 10-18Ghz 2°			
Amplitude stability		DC-26Ghz 0.05dB			
Disposing-phase		Customization support			
Type of mating connector					
Connector type		Abbr	Operating Frequency		
SMA Male		SM	DC-26.5GHZ		
3.5mm Male		3M	DC-27GHZ		
SMA Female		SF	DC-26GHZ		
3.5mm Female		3F	DC-27GHZ		
N Male		NM	DC-18GHZ		
N Felame		NF	DC-18GHZ		
3.5NMD		35NMD	DC-27GHZ		

◆ **Cable Structure** ◆

- \* Inner conductor: silver plated copper clad steel;
- \* Medium: PTFE;
- \* Internal shield: silver plated copper tape;
- \* Intermediate layer: high temperature aluminum foil;
- \* External shield: silver plated copper wire;
- \* Outer sheath: FEP;
- \* Optional reinforced protective armor: Armored transparent, stainless steel, black spring.

◆ **Connector Structure** ◆

- \* Central conductor: beryllium copper gold plating;
- \* Medium: PTFE;
- \* Welding cup: split optimized welding cup;
- \* Outer conductor: stainless steel passivation;
- \* Nut: stainless steel passivation.

◆ **Connector Advantages** ◆

- \* Stainless steel 304 housing;
- \* Beryllium copper central needle material and solid structure design;
- \* Super abrasion resistance;
- \* More than 5000 times of plugging and unplugging.

