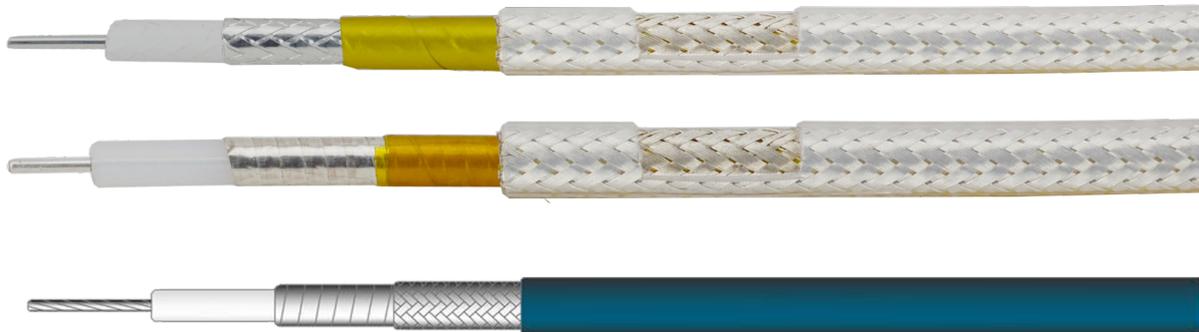


# GL Series Phase stable test cable

## Introduction

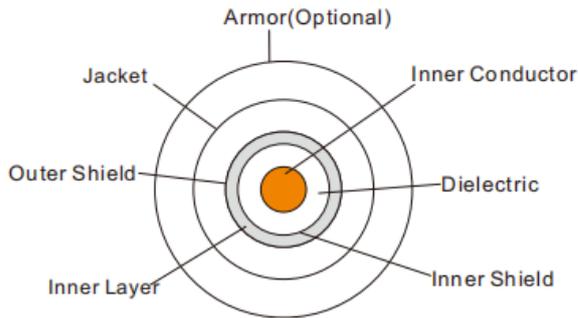
XGY's GL Series features proprietary flat silver-plated tape shielding, delivering superior phase and amplitude stability even under dynamic flexure. Engineered for harsh environments like outdoor base stations, it incorporates robust armor (Stainless Steel/Nylon) to provide exceptional crush and torque resistance. This rugged design extends service life by 3-5 times compared to unarmored cables, ensuring long-term measurement repeatability and cost-efficiency.



## Features

- DC-26.5 GHz
- Excellent Phase & Amplitude Stability
- Shielding Effectiveness > 100 dB
- Robust Stainless Steel Connectors
- Multiple Armor Options (Steel/Nylon)
- Extended Service Life

## Cable construction:



- Inner conductor:SPC clad steel
- Dielectric:Solid PTFE
- Inner shield:SPC Ribbon
- Inter Layer:PTCA
- Outer shield:SPC
- Jacket:clear FEP
- Armor:Transparent PVC/SS/Black SS

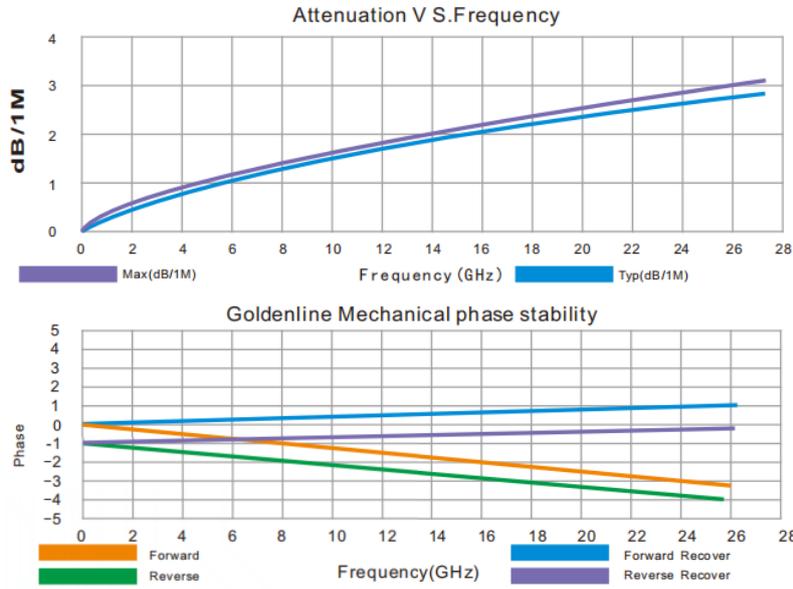
## Specifications

Category	Parameter	GL	Low Loss	Ultra Flex
Electrical	Frequency Range	DC - 26.5 GHz		
	Velocity of Propagation	70%	76%	77%
	Shielding Efficiency	> 100 dB	> 110 dB	> 90 dB
	Amplitude Stability	0.05 dB (DC-26GHz)		
	Phase Stability	DC-10G: 1° 10G-18G: 2°	DC-10G: 1.1° 10G-18G: 2°	DC-10G: 1.1° 10G-18G: 2°
	Capacitance	96.41 pf/m		
Mechanical	Temp. Range	-55°C ~ +125°C		
	Min. Bend Radius	20 mm	18 mm	28 mm
	Bending Cycles	> 5,000		
	Armor Compression	100kg (PVC) 60kg (SS) 80kg (Nylon)	100kg (PVC) 60kg (SS) 120kg (Black)	-
	Weight	0.064 kg/m	0.050 kg/m	0.065 kg/m
Structure	Inner Conductor	0.94 mm	1.02 mm	1.45 mm
	Dielectric	2.97 mm (Solid PTFE)	3.05 mm	4.23 mm
	Outer Jacket OD	4.95 mm	4.65 mm	5.50 mm

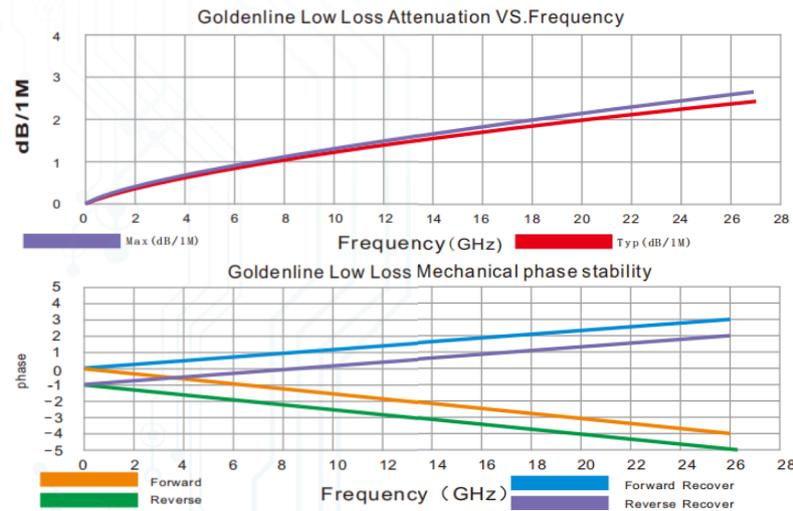
## VSWR

GL/Low Loss Series				
	3Ghz	6Ghz	18Ghz	26.5Ghz
SMA/3.5mm	1.07	1.1	1.2	1.25
N/3.5NMD	1.10	1.15	1.25	
BNC	1.15			
Ultra Flex Series				
	3Ghz	6Ghz	18Ghz	26.5Ghz
SMA/3.5mm	1.07	1.2	1.25	1.30
N/3.5NMD	1.10	1.20	1.30	
BNC	1.15			

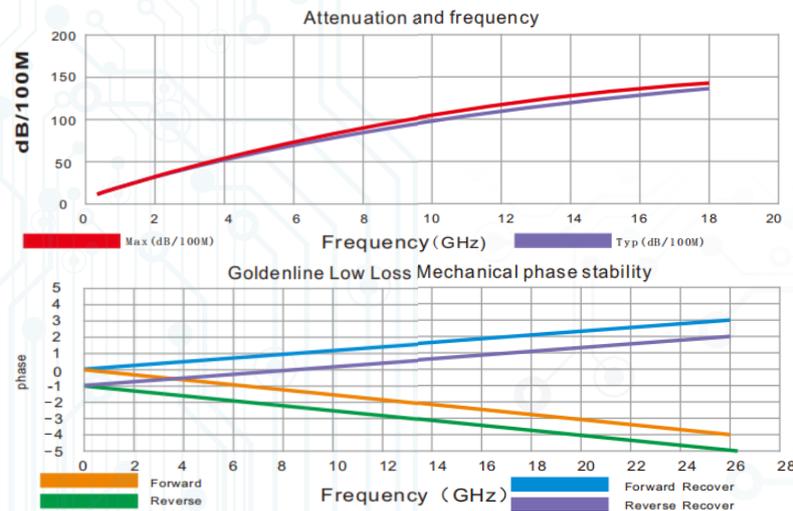
# GL



# GL Low Loss



# GL Ultra Flex



## Type of adapter

Type of adapter		
Connector Type	Abbreviation	Operation Frequency
SMA Male	SM	DC-26.5GHz
3.5mm Male	3M	DC-26.5GHz
SMA Female	SF	DC-26.5GHz
3.5mm Female	3F	DC-26.5GHz
N Male	NM	DC-18GHz
N Female	NF	DC-18GHz
3.5 NMD	35NMD	DC-26.5GHz

## Order Information

