

Features & Benefits

- Operating to 40 GHz
- Available in bulk cable or custom cable assemblies
- Lower loss than equal size equivalent cable
- Formstable for convenient and precise installations

Cable Construction



No.	Construction	Size (mm)	Materials
1	Center Conductor	0.94	Solid silver-plated copper
2	Dielectric	2.75	LD-PTFE
3	Outer Conductor	3.10	Bare copper or ternary alloy plated copper

Electrical

Frequency	DC-40 GHz
Impedance	50 Ω
Velocity of Propagation	76%
Shielding Effectiveness	>150 dB @8 GHz
Working Voltage (DC)	1000 V

Mechanical & Environmental

Inside Bend Radius	10mm
Weight	35g/m
Temperature (Operation)	-60~200 °C

Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	16000	18000	26500	40000
dB/100 Meter	18.5	34.0	48.4	69.1	85.3	99.1	111.4	122.7	142.9	152.2	187.4	234.6
Avg.Power kW	0.940	0.511	0.359	0.251	0.203	0.175	0.156	0.141	0.121	0.114	0.093	0.074

Attenuation at any frequency=[1.05500×SQRT(FMHz)]+[0.0005905×FMHz]

Available connectors

Cable P/N	Connectors	Gender	Connector type	Mounting	Max Freq.(GHz)	VSWR Max
GS120	2.92mm	Male	Direct solder	Standard	40	1.3
GS120	2.92mm	Female	Direct solder	Standard	40	1.35
GS120	SMA	Male	Direct solder	Standard	26.5	1.3
GS120	SMA	Female	Direct solder	Standard	26.5	1.35

Other connectors available upon request.