

TA810

Low Loss Phase Stable Cable Assembly DC~18GHz



Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

Specifications

Electrical

Operating Frequency	DC~18GHz
Cutoff Frequency	18GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	2500V, DC
Phase Stability	<750ppm@-55°C~+85°C

Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	41.00 mm
Min Bending Radius/Repeated	81.00 mm
Weight	140g/m

Attenuation@25°C & Power@40°C(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	13.7	19.5	24.1	34.8	40.6	45.8	51.5	59.3	63.3
Power Handling(W)	1894	1324	1071	743	636	564	502	436	409

Construction

Inner Conductor	Solid Silver-plated Copper	2.40 mm
Dielectric	Low Density PTFE	6.36 mm
Inner Shield	Silver-plated Copper Tape	6.60 mm
Outer Shield	Silver-plated Copper Braid	7.10 mm
Jacket	PFA	8.10 mm

Outline



Ordering Information

TA810 - 18 - NFNF - 1
Cable
Operating Frequency(GH)
RF Connectors(N:type-N)
NN: N male to N male
NNF: N male to N female
NFNF: N female to N female
Overall Length(meter(s))