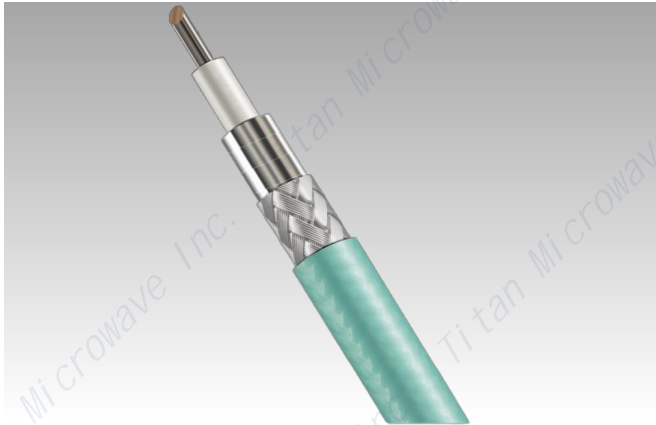


TA830

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	42.00 mm
Min Bending Radius/Repeated	83.00 mm
Weight	162g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	13.3	18.9	23.4	33.6	39.1	44.1	49.5	56.9	60.6
Power Handling(W)	2433	1703	1380	960	824	731	651	567	532

Construction

Inner Conductor	Solid Silver-plated Copper	2.44mm
Dielectric	Low Density PTFE	6.50mm
Inner Shield	Silver-plated Copper Tape	6.90mm
Outer Shield	Silver-plated Copper Braid	7.65mm
Jacket	FEP	8.30mm

Outline



Ordering Information

TA830 - 18 - NFN F - 1
Cable
Operating Frequency(GHz)
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))