

TB1500

High Power Low Loss Cable Assembly DC~6GHz



Features

- Frequency Range DC~6GHz
- Low PIM
- Low Loss
- High Power

Applications

- Radar
- Wireless Communications
- Interconnection
- Avionics

Specifications

Electrical

Operating Frequency	DC~6GHz
Cutoff Frequency	8GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	90dB min
PIM	-155dBc
Voltage Rating	4000V, DC

Environmental & Mechanical

Operating Temperature	-55°C~+200°C
Min Bending Radius/Single	74.00 mm
Min Bending Radius/Repeated	147.00 mm
Weight	432g/m

Attenuation & Power

Frequency(GHz)	0.1	0.3	0.5	0.8	1	2	3	5	6
Attenuation(dB/100m)	3.1	5.4	7.1	9.1	10.2	14.8	18.4	24.5	27.1
Power Handling(W)	14724	8384	6433	5031	4472	3088	2477	1866	1684

Construction

Inner Conductor	Solid Silver-plated Copper	4.40mm
Dielectric	Low Density PTFE	12.50mm
Inner Shield	Silver-plated Copper Tape	12.74mm
Interlayer Shield	Aluminum Foil	12.85mm
Outer Shield	Silver-plated Copper Braid	13.60mm
Jacket	Blue FEP	14.70mm

Outline



Ordering Information

TB1500	-	6	-	NNF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N:N-Type)						
NN: N male to N male						
NNF: N male to N female						
NFNF: N female to N female						
Overall Length(meter(s))						