

TY1000

Weather Resistance Low Loss Cable Assembly DC~10GHz



Features

- Low Loss
- Ruggedized for Harsh Field Use
- Superior Outdoor Durability
- Protection against Moisture and Corrosion
- Cost-Effective

Applications

- Naval / Maritime Communications Systems
- Indoor & Outdoor Phased Array Radar Antennas
- Military Radio Equipment
- Military & Commercial Communication Base Stations

Specifications

Electrical

Operating Frequency	DC~10GHz
Cutoff Frequency	15GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	70dB min
Voltage Rating	3000V, DC

Environmental & Mechanical

Operating Temperature	-55°C~+85°C
Min Bending Radius/Single	51.00 mm
Min Bending Radius/Repeated	103.00 mm
Weight	205g/m

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

Frequency(GHz)	1	2	3	4	5	6	8	10
Attenuation(dB/100m)	14.7	21.1	26.2	30.6	34.5	38.2	44.7	50.6
Power Handling(W)	1104	768	619	530	470	426	363	321

Construction

Inner Conductor	Solid Silver-plated Copper	2.44mm
Dielectric	Low Density PTFE	7.24mm
Inner Shield	Silver-plated Copper Tape	7.48mm
Interlayer Shield	High Temp Aluminum Foil	7.61mm
Outer Shield	Silver-plated Copper Braid	8.19mm
Jacket	Rodent-Resistant PUR	10.15mm

Outline



Ordering Information

TY1000	-	10	-	NFNF	-	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))						