

TY700

Weather Resistance Low Loss Cable Assembly DC~18GHz



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~18GHz
Cutoff Frequency	27GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	70dB min
Voltage Rating	2000V, DC

Environmental & Mechanical

Operating Temperature	-55°C~+85°C
Min Bending Radius/Single	36.00 mm
Min Bending Radius/Repeated	72.00 mm
Weight	100g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	22.2	31.7	39.2	56.4	65.8	74.2	83.4	95.8	102.2
Power Handling(W)	357	250	202	140	120	107	95	83	77

Construction

Inner Conductor	Solid Silver-plated Copper	1.57mm
Dielectric	Low Density PTFE	4.72mm
Inner Shield	Silver-plated Copper Tape	4.96mm
Interlayer Shield	High Temp Aluminum Foil	5.10mm
Outer Shield	Silver-plated Copper Braid	5.66mm
Jacket	Rodent-Resistant PUR	7.20mm

Outline



Ordering Information

TY700	-	18	-	N F N 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))						