

TY600

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	28GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	70dB min
Voltage Rating	2000V, DC

Environmental & Mechanical

Operating Temperature	-55℃~+85℃
Min Bending Radius/Single	30.00 mm
Min Bending Radius/Repeated	60.00 mm
Weight	70g/m

Attenuation@25℃ & Power@40℃(sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	16	18
Attenuation(dB/100m)	27.7	39.5	48.7	69.9	81.3	91.5	102.7	117.8	125.5
Power Handling(W)	263	184	150	104	89	79	71	62	58

Construction

Inner Conductor	Solid Silver-plated Copper	1.29mm
Dielectric	Low Density PTFE	3.85mm
Inner Shield	Silver-plated Copper Tape	4.05mm
Interlayer Shield	High Temp Aluminum Foil	4.20mm
Outer Shield	Silver-plated Copper Braid	4.80mm
Jacket	Rodent-Resistant PUR	6.00mm

Outline



Ordering Information

TY 600	-	1 8	-	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))						