

**Features**

- Low VSWR
- Low loss
- Operating Frequency Range DC~18GHz
- Ideal for Interconnect of Assembled Systems

**Applications**

- Replacement for Semi-rigid Cables
- Communications
- Environmental and Test Chambers

**Specifications**

**Electrical**

Operating Frequency	DC~18GHz
Cutoff Frequency	19GHz
Impedance	50Ω
Velocity of Propagation	70%
Screening Effectiveness	90dB min
Voltage Rating	3000V, DC

**Environmental & Mechanical**

Operating Temperature	-55°C~+125°C
Min Bending Radius/Single	35mm
Min Bending Radius/Repeated	70mm
Weight	118g/m

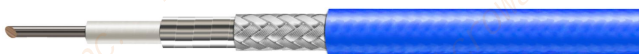
**Attenuation@25°C & Power@40°C(sea level)**

Frequency(GHz)	1	2	3	6	8	10	12.4	18
Attenuation(dB/100m)	25.7	38.7	49.5	77	93.1	108.3	125.5	163.3
Power Handling(W)	561	373	291	187	155	133	115	88

**Construction**

Inner Conductor	Solid Silver-plated Copper	1.63mm
Dielectric	PTFE	5.30mm
Inner Shield	Silver-plated Copper Tape	5.55mm
Outer Shield	Silver-plated Copper Braid	6.17mm
Jacket	FEP Blue	7.00mm

**Outline**



**Ordering Information**

**TH700 - 18 - NNF - 1**

Cable Code

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))

*For other connector options, contact factory.*