



#### 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	110GHz
Impedance	50Ω
Velocity of Propagation	70%
Screening Effectiveness	90dB min
Voltage Rating	600V, DC

##### Environmental & Mechanical

Operating Temperature	-55°C~+125°C
Min Bending Radius/Single	7.5 mm
Min Bending Radius/Repeated	14.5 mm
Weight	6g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18
Attenuation(dB/100m)	135.2	191.6	235.1	334	386.5	433	483.2	584.7
Power Handling(W)	82	58	47	33	29	26	23	19

#### Construction

Inner Conductor	Solid Silver-plated Copper	0.30mm
Dielectric	PTFE	0.95mm
Inner Shield	Silver-plated Copper Tape	1.07mm
Outer Shield	Silver-plated Copper Braid	1.25mm
Jacket	FEP	1.45mm

#### Ordering Information

**TH160 - 18 - S S F - 1**

Cable Code

Operating Frequency(GHz)

RF Connectors(S:SMA)

SS: SMA male to SMA male

SSF: SMA male to SMA female

SFSF: SMA female to SMA female

Overall Length(meter(s))

For other connector options, contact factory.

#### Outline

