QT26

Phase & Loss Stable, Long Flex Life

Features:
* Low Insertion Loss
* High Phase Stability
* High Power
* High Durability

Applications:
* Laboratory Test
* Avionics
* Phased-array Radar
* Satellite Communication

Electrical

Frequency:	DC~26.5GHz
Impedance:	50Ω
Velocity of Propagation:	82%
Shielding Effectiveness:	90dB min.
Voltage Withstand:	2000V DC
Phase Stability*1:	±5°
Amplitude Stability*1:	±0.05dB

[1] 50mm radius, 360° bending

Mechanical

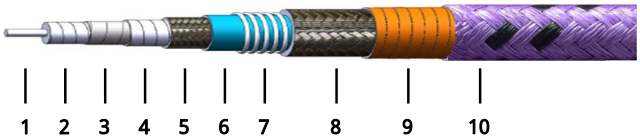
Unarmored Bend Radius (installation/repeated):	25mm/50mm min.
Armored Bend Radius (installation/repeated):	50mm/80mm min.
Bending Life Cycle:	600,000
Mating Life Cycle*2:	5,000

[2] For connectors 3.5mm, SMA, N, TNC only.

Environmental

Temperature: -55~+125℃

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	1.44	Silver-plated copper
2	Dielectric	3.80	Low density PTFE
3	Inner Shield	4.00	Silver-plated copper tape
4	Interlayer	4.32	Low density PTFE
5	Outer Shield	4.63	Silver-plated copper braid
6	Jacket	5.05	PFA
7~9	Armor (optional)	7.00	Composite
10		7.55	PTFE

Tolerance: ±0.2mm [±0.008in]

Attenuation & Power Handling

Frequency (GHz)	0.3	0.5	1	3	6	10	12.4	18	26.5
Attenuation*3 (dB/100m)	15	19	28	49	70	92	104	128	159
Average Power*4 (W)	1521	1172	821	462	319	242	215	174	140

[3] VSWR:1.0; Ambient: +25°C (77°F); Raw cable
[4] VSWR:1.0; Ambient: +40°C (104°F); Sea level

How To Order

QT26W-X-Y-Z

W: Armor: A, without armor: U
X: Frequency In GHz
Y: Connector type
Z: Length in meters

Examples:
To order a QT26 test cable assembly with armor, DC-26.5GHz, SMA male to SMA female, 0.5 meter, specify QT26A-26.5-SSF-0.5.

Connector naming rules:
3 - 3.5mm (26.5GHz, VSWR 1.25)
S - SMA (26.5GHz, VSWR 1.25)
X - MMCX (26.5GHz, VSWR 1.3)
N - N (18GHz, VSWR 1.25)
T - TNC (18GHz, VSWR 1.2)
M - MCX (6GHz, VSWR 1.2)
B - BNC (4GHz, VSWR 1.25)

Female Connector - Add ‘F’ after connector name
Right Angle - Add ‘R’ after connector name(VSWR increase 0.1)