

QD047

Hand Formable

Features:

- * Hand formable
- * Quick and easy assembly

Applications:

- * Instrumentation
- * Laboratory test
- * Interconnection

Electrical

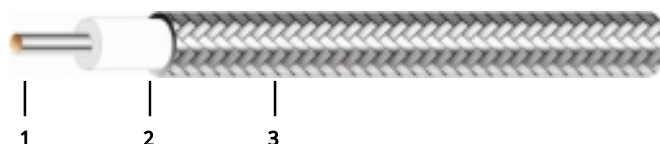
Frequency:	DC~20GHz
Impedance:	50±2Ω
Velocity of Propagation:	70%
Voltage Withstand:	900V DC

Mechanical

Bend Radius (installation):	4mm
Bend Radius (repeated):	20mm

Environmental

Temperature:	-55~+200°C
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Construction


No.	Name	Size (mm)	Material
1	Inner Conductor	0.31	SCCS Silver-plated copper clad steel
2	Dielectric	0.94	PTFE
3	Inner Shield	1.19	Tin-plated copper braid

Attenuation & Power Handling

Frequency (GHz)	0.5	1.0	5	10	20
Attenuation (dB/100m, typ.)	82	118	269	420	578

电缆衰减量计算公式: 衰减量 (dB/100m) = $3.512916 \times \sqrt{\text{频率 (MHz)}} + 0.006852 \times \text{频率 (MHz)}$

连接器衰减量计算公式: 衰减量 (dB) = $0.03 \times \sqrt{\text{频率 (GHz)}}$

How To Order
QD047-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Length in meters

Examples:

To order a QD047 cable assembly, DC-18GHz, SMA male to SMA female, 0.5 meter, specify QD047-18-SSF-0.5.

Connector naming rules:

3 - 3.5mm (6GHz, VSWR 1.2)

P - SMP (6GHz, VSWR 1.2)

A - SSMA (6GHz, VSWR 1.2)

S - SMA (6GHz, VSWR 1.2)

N - N (6GHz, VSWR 1.2)

X - MMCX (6GHz, VSWR 1.3)

M - MCX (6GHz, VSWR 1.3)

B - BNC (4GHz, VSWR 1.4)

D - SMB (4GHz, VSWR 1.25)

Female Connector - Add 'F' after connector name

Right Angle - Add 'R' after connector name (VSWR increase 0.1)

Mating Connector

QCV-MG-047-1

1.85mm male, Stainless steel

QC2-MG-047-1

2.4mm male, Stainless steel

QCG-MB-047-1

SSMP male, Beryllium copper

QCG-MRB-047-1

SSMP male, Right angle, Beryllium copper

QCK-MG-047-1

2.92mm male, Stainless steel

QCP-FB-047-1

SMP female, Beryllium brass

QCA-FL2B-047-1

SSMA female, Beryllium copper

QCS-MG-047-1

SMA male, Stainless steel

QCS-MRG-047-1

SMA male, Right angle, Stainless steel

QCS-FG-047-1

SMA female, Stainless steel

