

RG316D

Low Cost

Features:
* Low Cost

Applications:
* Telecom
* Interconnect between equipment

Electrical

Frequency:	DC-6GHz
Impedance:	50±2Ω
Velocity of Propagation:	70%
VSWR:	1.20 max. @DC-3GHz
Voltage Withstand:	1200V DC
Capacitance:	95pF/m

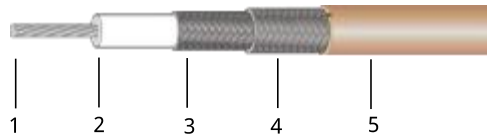
Mechanical

Bend Radius(installation):	15mm min.
Bend Radius(repeated):	50mm min.

Environmental

Temperature: -55~+200°C

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	0.51	Silverplated copper Wire
2	Dielectric	1.52	PTFE
3	Outer Conductor1	1.95	Silverplated copper Wire
4	Outer Conductor2	2.4	Silverplated copper Wire
5	Jacket	2.9	FEP

Attenuation

Frequency (GHz)	0.1	0.4	1	3	5	6
Attenuation(dB/100m)	26.2	53.1	85.6	153.2	208	226

Calculate Cable Attenuation: Attenuation (dB/100m) = 2.577759 * √F (MHz) + 0.004024 * F (MHz)

Calculate Connector Attenuation: Attenuation (dB) = 0.03 * √F (GHz)

How To Order

RG316D-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Length in meters

Examples:

To order a RG316D cable assembly, DC-3GHz, SMA male to SMA female, 0.8 meter, specify RG316D-3-SSF-0.8.

Connector naming rules:

S - SMA (6GHz, VSWR 1.4)

X - MMCX (6GHz, VSWR 1.4)

M - MCX (6GHz, VSWR 1.4)

B - BNC (4GHz, VSWR 1.4)

D - SMB (4GHz, VSWR 1.4)

Female Connector - Add 'F' after connector name

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

0 D W I & R Q Q H F W R U

1 & 6) 0 % 5 *

6603 IHPDOH %HU\OOLXP
FRSSSHU

1 & 6) / & % 5 *

60\$ IHPDOH KROH IODQJH
PRXQW , CRIMP

1 & *) 5 % 5 *

6603 IHPDOH 5LJKW DQJOH
%HU\OOLX, CRIMP

1 & 6) & % 5 *

60\$ IHPDOH KROH IODQJH
PRXQW *ROG SODWHG
EHU\OOLX, CRIMP

1 & . 0 * 5 *

PP PDOH 6WDLQOHVV
VWHHO

1 & 6) & % 5 *

60\$ IHPDOH EXON KHDG
*ROG SODWHG, CRIMP

1 & . & % 5 *

PP IHPDOH, CRIMP

1 & 1 & % 5 *

1 PDOH 1LFNHO SODWHG EUDVV

1 & .) / * 5 *

PP IHPDOH KROH
IODQJH PRXQW 6WDLQOHVV
VWHHO

1 & 1 & % 5 *

1 IHPDOH 1LFNHO SODWHG
EUDVV, CRIMP

1 & .) / * 5 *

PP IHPDOH KROH
IODQJH PRXQW 6WDLQOHVV
VWHHO

1 & ; & % 5 *

00 & ; PDOH *ROG SODWHG
EUDVV, CRIMP

1 & 3 & % 5 *

603 IHPDOH %HU\OOLXP
FRSSSHU

1 & ; 0 & % 5 *

00 & ; PDOH ULJKW DQJOH
*ROG SODWHG, CRIMP

1 & 3) & % 5 *

603 IHPDOH ULJKW DQJOH
%HU\OOLX, CRIMP
FRSSSHU

1 & ; & % 5 *

00 & ; IHPDOH *ROG SODWHG
EUDVV, CRIMP

1 & 3) & % 5 *

603 IHPDOH ULJKW DQJOH
%HU\OOLX, CRIMP
FRSSSHU

1 & 0 & % 5 *

0 & ; PDOH *ROG SODWHG
EUDVV, CRIMP

1 & \$ 0 * 5 *

660\$ PDOH 6WDLQOHVV VWHHO

1 & 0 0 & % 5 *

0 & ; PDOH ULJKW DQJOH *ROG
SODWHG, CRIMP
EHU\OOLXP

1 & \$) & % 5 *

660\$ IHPDOH EXON KHDG
%U DCRIMP

1 & 0 & % 5 *

0 & ; IHPDOH *ROG SODWHG
EUDVV, CRIMP

1 & 6 0 & % 5 *

60 \$ P D O H * R O G S O D W H G
E U D V & U L P S

1 & % 0 & % 5 *

% 1 & P D O H 7 H U Q D U \ D O O R \
S O D W H G E U D V & U L P S

1 & 6 0 * 5 *

60 \$ P D O H 6 W D L Q O H V V V W H H O

1 & ' 0 & % 5 *

60 % P D O H * R O G S O D W H G
& U L P S

1 & 6 0 5 * 5 *

60 \$ P D O H U L J K W D Q J O H
6 W D L Q O H V V V W H H O

1 & ' 0 5 & % 5 *

60 % P D O H U L J K W D Q J O H * R O G
S O D W H G E U D V & U L P S

1 & 6 0 & % 5 *

60 \$ P D O H U L J K W D Q J O H * R O G
S O D W H G E U D V & U L P S

1 & ') & % 5 *

60 % I H P D O H * R O G S O D W H G
E U D V & U L P S

1 & 6 0 & % 5 *

60 \$ I H P D O H * R O G S O D W H G
E U D V & U L P S

1 & ') & % 5 *

60 % I H P D O H U L J K W D Q J O H
* R O G S O D W H G E U D V & U L P S

