

RG58 Coaxial Cable:

1) Construction

Center Conductor:----- 19X0.18mm Solid Copper/20 AWG Solid Copper

Dielectric:-----2.95±0.05mm Solid PE

Braid Coverage:-----95% X16X6X0.127±0.005mm Tinned Copper

Jacket:-----4.95±0.10mm PVC

Jacket Thickness:-----0.762mm

Jacket Minimum Spot:-----0.61 mm

UL:-----CMX, CM, CATV, CL2

2) Approval:



3) Characteristics

Sparker Test:-----2000VAC

Dielectric Strength:-----Conductor to Shield : 1500 VDC

Impedance:-----50±3 Ohm

Capacitance:-----28.5±3pF/Ft (Nom.)

Velocity of Propagation:----66%

DCR:-----Conductor: 10.55 ohms/1000Ft

Shield: 4.1 Ohms/1000Ft

SRL: -----15dB (10 to 300 MHz) 100% Swept Tested

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100 ft.)
1	0.44
10	1.42
50	3.10
100	4.50
200	6.80
400	10.0
700	14.0
900	16.0
1000	17.0



RG8 Coaxial Cable:

1) Construction

Center Conductor:----- 7X0.724mm Strand Bare Copper

Dielectric:-----7.23±0.02mm Solid PE

Shield: -----Bonded Al Foil

Braid Coverage:-----96%: 33 AWG (0.18mm)Tinned Copper

Jacket:-----10.28±0.10mm PVC

Jacket Thickness:-----1.15mm

Jacket Minimum Spot:-----0.78mm

UL:-----CMX, CM, CATV, CL2

2) Approval:



3) Characteristics

Sparker Test:-----2000VAC

Dielectric Strength:-----Conductor to Shield :10000 VDC

Impedance:-----50±3 Ohm

Capacitance:-----29.5±3pF/Ft (Nom.)

Velocity of Propagation:----66.0%

DCR:-----Conductor: 1.87 ohms/1000Ft

SRL:-----15dB (10 to 300 MHz) Swept Tested

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100 ft.)
10	0.55
100	2.20
1000	8.90



ETHERNET RG8 Coaxial Cable:

1) Construction

Center Conductor:----- 12 AWG (2.17mm) Solid Copper
 Dielectric:-----6.27±0.02mm Foam PE
 Shield: -----Bonded Al Foil
 Braid Coverage:-----94%: 34 AWG (0.16mm)Tinned Copper
 Shield: ----- Al Foil
 Braid Coverage:-----90%: 34 AWG (0.16mm)Tinned Copper
 Jacket:-----10.30±0.10mm PVC
 Jacket Thickness:-----1.0mm
 Jacket Minimum Spot:-----0.81 mm
UL:-----CMX, CM, CATV, CL2

2) Approval:



3) Characteristics

Sparker Test:-----2000VAC
 Dielectric Strength:-----Conductor to Shield : 2500 VDC
 Impedance:-----50±3 Ohm
 Capacitance:-----25.5±3pF/Ft (Nom.)
 Velocity of Propagation:----78.0%
 DCR:-----Conductor: 1.42 ohms/1000Ft Shield: 0.90 ohms/1000Ft
 SRL:-----15dB (5 to 10 MHz) Swept Tested

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100 ft.)
1	0.17
10	0.52
50	1.20
100	1.80
200	2.55
400	3.60
700	4.76
900	5.40
1000	5.69



RG213 Coaxial Cable:

1) Construction

Center Conductor:----- 13 AWG (2.63mm) 7X0.75 Solid Copper

Dielectric:-----7.23±0.02mm Solid PE

Braid Coverage:-----96%: 33 AWG (0.18mm) Copper

Jacket:-----10.30±0.10mm PVC

Jacket Thickness:-----1.10mm

Jacket Minimum Spot:-----0.80mm

UL:-----CMX, CM, CATV, CL2

2) Approval:



3) Characteristics

Sparker Test:-----4000VAC

Dielectric Strength:-----Conductor to Shield : 10000 VDC

Impedance:-----50±3 Ohm

Capacitance:-----30.8±3pF/Ft (Nom.)

Velocity of Propagation:-----66.0%

DCR:-----Conductor: 2.00 ohms/1000Ft

SRL:-----15dB (10 to 300 MHz) Swept Tested

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100 ft.)
100	2.20
400	4.60
100	9.00



RG214 Coaxial Cable:

1) Construction

Center Conductor:----- 7X0.75 Solid Copper
 Dielectric:-----7.25±0.02mm Solid PE
 Braid Coverage:-----96%: 144X0.16mm Copper
 Braid Coverage:-----98%: 168X0.16mm Copper
 Jacket:-----10.50±0.10mm PVC
 Jacket Thickness:-----1.10mm
 Jacket Minimum Spot:-----0.80mm
 UL:-----CMX, CM, CATV, CL2



2) Approval:



3) Characteristics

Sparker Test:-----4000VAC
 Dielectric Strength:-----Conductor to Shield : 10000 VDC
 Impedance:-----50±3 Ohm
 Capacitance:-----100±3pF/m (Nom.)
 Velocity of Propagation:----66.0%
 DCR:-----Conductor: 6.0 ohms/km
 SRL:-----15dB (10 to 300 MHz) Swept Tested

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (GHz)	Nom. (dB/100 m.)
0.05	5.2
0.10	7.6
0.20	11.0
0.40	16.3
0.50	18.5
0.60	20.6
0.86	25.6
1.00	28.3

5D-FB Coaxial Cable:

1) Construction

Center Conductor:----- 1.80mm Solid Copper
Dielectric:-----5.00±0.02mm Foam PE
Shield: -----Bonded Al Foil
Braid Coverage:-----85%:16X5X0.16mmTinned Copper
Jacket:-----7.50±0.10mm PVC
Jacket Thickness:-----0.80mm
UL:-----CMX, CM, CATV, CL2, CMR

2) Approval:



3) Characteristics

Inner Conductor Resistance:-----1.16 ohm/km
Dielectric Withstand Voltage:-----1000 ACV/min
Impedance:-----50±2 Ohm
Capacitance:-----85±3nF/km (Nom.)
Echo Loss:-----VHF: 20 dB
 UHF 18 dB

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100M.)
50	4.89
100	6.47
200	9.01
400	13.00
900	20.50
1000	21.70
1500	27.40
2000	32.30



7D-FB Coaxial Cable:

1) Construction

Center Conductor:----- 2.60mm Solid Copper
 Dielectric:-----7.30±0.02mm Foam PE
 Shield: -----Bonded Al Foil
 Braid Coverage:-----85%:16X5X0.16mmTinned Copper
 Jacket:-----8.20±0.10mm PVC
 Jacket Thickness:-----0.80mm
UL:-----CMX, CM, CATV, CL2,CMR

2) Approval:



3) Characteristics

Inner Conductor Resistance:-----1.83 ohm/km
 Dielectric Withstand Voltage:-----1000 ACV/min
 Impedance:-----50±2 Ohm
 Capacitance:-----85±3nF/km (Nom.)
 Echo Loss:-----VHF: 20 dB
 UHF 18 dB

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100M.)
150	5.30
280	7.30
350	8.30
400	9.10
800	13.00
900	14.30
1200	17.00
1500	19.70
1900	22.90



8D-FB Coaxial Cable:

1) Construction

Center Conductor:----- 2.80mm Solid Copper
 Dielectric:-----7.80±0.02mm Foam PE
 Shield: -----Bonded Al Foil
 Braid Coverage:-----85%:16X6X0.16mmTinned Copper
 Jacket:-----8.80±0.10mm PVC
 Jacket Thickness:-----0.80mm
 UL:-----CMX, CM, CATV, CL2, CMR

2) Approval:



3) Characteristics

Inner Conductor Resistance:-----2.86 ohm/km
 Dielectric Withstand Voltage:-----1000 ACV/min
 Impedance:-----50±2 Ohm
 Capacitance:-----85±3nF/km (Nom.)
 Echo Loss:-----VHF: 20 dB
 UHF 18 dB

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100M.)
50	3.00
100	4.07
200	5.65
400	8.29
900	13.00
1000	13.70
1500	18.30
2000	22.30



10D-FB Coaxial Cable:

1) Construction

Center Conductor:-----3.50mm Solid Copper
 Dielectric:-----10.0±0.02mm Foam PE
 Shield: -----Bonded Al Foil
 Braid Coverage:-----85%:16X5X0.16mmTinned Copper
 Jacket:-----13.0±0.10mm PVC
 Jacket Thickness:-----1.0mm
 UL:-----CMX, CM, CATV, CL2, CMR

2) Approval:



3) Characteristics

Inner Conductor Resistance:-----3.31 ohm/km
 Dielectric Withstand Voltage:-----1000 ACV/min
 Impedance:-----50±2 Ohm
 Capacitance:-----85±3nF/km (Nom.)
 Echo Loss:-----VHF: 20 dB
 UHF 18 dB

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100M.)
150	4.10
280	5.60
350	6.30
400	6.90
800	10.20
900	11.10
1200	13.40
1500	15.30
1900	17.70



12D-FB Coaxial Cable:

1) Construction

Center Conductor:-----4.40mm Solid Copper
 Dielectric:-----12.4±0.02mm Foam PE
 Shield: -----Bonded Al Foil
 Braid Coverage:-----85%:16X6X0.16mmTinned Copper
 Jacket:-----15.6±0.10mm PVC
 Jacket Thickness:-----1.0mm
 UL:-----CMX, CM, CATV, CL2, CMR

2) Approval:



3) Characteristics

Inner Conductor Resistance:-----7.05 ohm/km
 Dielectric Withstand Voltage:-----1000 ACV/min
 Impedance:-----50±2 Ohm
 Capacitance:-----85±3nF/km (Nom.)
 Echo Loss:-----VHF: 20 dB
 UHF 18 dB

4) Attenuation

Attenuation	[@68° F. (20° C.)]
Frequency (MHz)	Nom. (dB/100M.)
150	3.40
280	4.70
350	5.30
400	5.80
800	8.50
900	9.20
1200	10.90
1500	12.30
1900	14.30

