

Conductor
 Material: 21% Copper Clad Steel (CCS) + Copper Clad Aluminum (CCA)
 Construction: 1 X 0.81MM (CCS) + 7 X 0.38MM (CCA) X 2
 Cross Section: AWG20(Solid) X 1+ AWG18(Stranded) X 2


Appearance

Shape	Color	Length	Package
CircleX2F	Black	305M	Wooden Drum

Insulation
 Material: Foam Polyethylene (FPE) X 1C + Polyethylene (PE) X 2C
 Thickness: 1.40MM (1C); 0.32MM (2C)
 Diameter: 3.7MM X 1C + 1.8MM X 2C
 Color: (3.7MM): White
 (1.8MM): 1)Red; 2)Black

Shielding
 Material: Aluminum Foil + Aluminium-Magnesium Alloy wire (ALMG)
 Construction: Bonded Aluminum Foil + 128X0.12MM ALMG Braiding
 Coverage: 100% + 90%

Outer Jacket
 Material: VW-1 Fire Retardant Polyvinylchloride (PVC)
 Thickness: 0.85MM + 0.45MM
 Diameter: 6.0+4.5 MM

Part #	POWER-RG59-2K, POWER-RG59-2KW	Part #	Color
Title	1000ft Bulk RG59 Siamese Coaxial / Power Cable	POWER-RG59-2K	Black
		POWER-RG59-2KW	White
Unit	 PI Manufacturing Corp.		
mm			

Electric Characteristics

2 Core CCA

Nom. DCR.: 40Ω/KM
Nom. Insul. Resist.: 1000MΩ/KM

1 Core Coaxial

Nom. DCR.: 161Ω/KM
Nom. Imp.: 75Ω
Nom. Vel. of Prop.: 85%
Nom. Cap.: 52 PF/M
Return Loss: ≥ 20 dB (5~3000MHz)

Attenuation(20°C)

Frequency (MHZ)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
55	2.1	6.7
187	3.6	11.8
211	3.8	12.5
400	5.1	16.7
500	5.7	18.7
750	7	22.8
860	7.5	24.6
1000	8	26.3
1500	9.9	32.5
1800	10.9	35.6
2200	12.6	41.2
3000	13.8	45.2

Mechanical Characteristics

Overall

Operation Temp.: -15⁰C ~ 75⁰C

Insulation PE Property

Min. Elongation: 300%
Min. Tensile Strength: 16.5 Mpa

Out Jacket PVC Property

Min. Elongation: 100%
Min. Tensile Strength: 10.3 Mpa