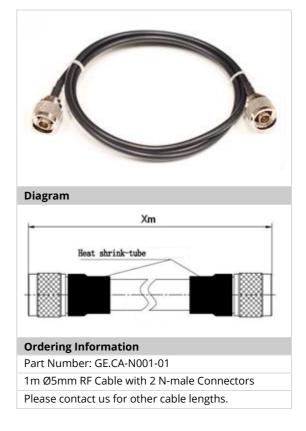


Ø5mm RF Cable | External Antenna Connection

Specifications

Electrical		
Length	1 m	
VSWR (Max.)	1.20 (0 to 3 GHz); 1.35 (3 to 6 GHz)	
Loss (Cable Only) ¹		
Loss @900 MHz, dB	0.326	
Loss @2 GHz, dB	0.393	
Loss @2.5 GHz, dB	0.554	
Loss @5.8 GHz, dB	0.865	
Loss (with 2 Connectors) ¹		
Loss @900 MHz, dB	0.626	
Loss @2 GHz, dB	0.793	
Loss @2.5 GHz, dB	0.854	
Loss @5.8 GHz, dB	1.165	
Impedance	50 Ω (Nominal)	
Frequency Range	DC to 6 GHz (Max.)	
Dielectric Withstanding Voltage	2,000 V (rms)	
Insulation Resistance	5,000 MΩ (Min.)	
Mechanical		
Durability	500 Cycles (Min.)	
Temperature	-45°C to +85 °C (Cable)	
Bending Radius	12.7 mm (Min.)	
Cabling		
Conductor	Bare Copper Wire, 1 Core, Ø1.12 mm	
Insulation	PEF, Outer Ø2.95 mm	
Binder	Sealed Aluminum Mylar Tape	
Braid Shield	Tinned Copper Wire, 88%↑ Coverage	
Jacket	PVC or PE, Outer Ø5 mm	
Connector		
Body	Brass, Ni or Tri-alloy Surface Plating	
Center Conductor	Brass, Au or Ag Surface Plating	
Insulator	PTFE	
Other	Brass, Ni Surface Plating	
Certification(s)		
IEC	IEC 60169-16	



¹the loss values have tolerance of 0.2 dB

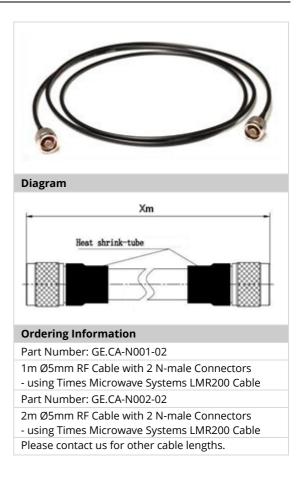
Version: 08 Jan 2020



Ø5mm RF Cable (LMR200) | External Antenna Connection

Specifications

Electrical					
Length	1 m	2 m			
VSWR (Max.)	1.20 (0 to 3 GHz); 1.35 (3 to 6 GHz)				
Loss (Cable Only) ¹	1 m	2 m			
Loss @900 MHz, dB	0.326	0.652			
Loss @2 GHz, dB	0.393	0.986			
Loss @2.5 GHz, dB	0.554	1.108			
Loss @5.8 GHz, dB	0.865	1.730			
Loss (with 2 Connectors) ¹	1 m	2 m			
Loss @900 MHz, dB	0.626	0.952			
Loss @2 GHz, dB	0.793	1.286			
Loss @2.5 GHz, dB	0.854	1.408			
Loss @5.8 GHz, dB	1.165	2.030			
Impedance	50 Ω (Nominal)				
Frequency Range	DC to 6 GHz (Max.)				
Dielectric Withstanding Voltage	2,000 V (rms)				
Insulation Resistance	5,000 MΩ (Min.)				
Mechanical	Mechanical				
Durability	500 Cycles (Min.)				
Temperature	-45°C to +85 °C (Cable)				
Bending Radius	12.7 mm (Min.)				
Cabling					
Conductor	Bare Copper Wire, 1 Core, Ø1.12 mm				
Insulation	PEF, Outer Ø2.95 mm				
Binder	Sealed Aluminum Mylar Tape				
Braid Shield	Tinned Copper Wire, 88%↑ Coverage				
Jacket	PVC or PE, Outer Ø5 mm				
Connector					
Body	Brass, Ni or Tri-alloy Surface Plating				
Center Conductor	Brass, Au or Ag Surface Plating				
Insulator	PTFE				
Other	Brass, Ni Surface Plating				
Certification(s)					
IEC	IEC 60169-16				



¹the loss values have tolerance of 0.2 dB

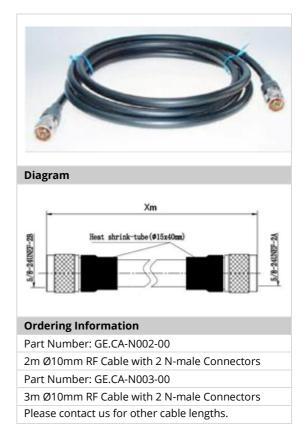
Version: 08 Jan 2020



Ø10mm RF Cable | External Antenna Connection

Specifications

Length 2 m 3 m VSWR (Max.) 1.2 1.2 Loss (Cable Only) 2 m 3 m Loss @900 MHz, dB 0.256 0.384 Loss @92 GHz, dB 0.392 0.588 Loss @2.5 GHz, dB 0.444 0.666 Loss @5.8 GHz, dB 0.710 1.065 Loss (with 2 Connectors) 2 m 3 m Loss @900 MHz, dB 0.556 0.684 Loss @2 GHz, dB 0.692 0.888 Loss @2.5 GHz, dB 0.744 0.966 Loss @5.8 GHz, dB 1.010 1.365 Impedance 50 Ω (Nominal) Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Braid Shiel	Electrical			
Loss (Cable Only) 2 m 3 m Loss @900 MHz, dB 0.256 0.384 Loss @2 GHz, dB 0.392 0.588 Loss @2.5 GHz, dB 0.444 0.666 Loss @5.8 GHz, dB 0.710 1.065 Loss (with 2 Connectors) 2 m 3 m Loss @900 MHz, dB 0.556 0.684 Loss @2 GHz, dB 0.692 0.888 Loss @2.5 GHz, dB 0.744 0.966 Loss @5.8 GHz, dB 1.010 1.365 Impedance 50 Ω (Nominal) Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical Durability Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, @2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Sealed Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Oute	Length	2 m	3 m	
Loss @900 MHz, dB 0.256 0.384 Loss @2 GHz, dB 0.392 0.588 Loss @2.5 GHz, dB 0.444 0.666 Loss @5.8 GHz, dB 0.710 1.065 Loss (with 2 Connectors) 2 m 3 m Loss @900 MHz, dB 0.556 0.684 Loss @2 GHz, dB 0.692 0.888 Loss @2.5 GHz, dB 0.744 0.966 Loss @5.8 GHz, dB 1.010 1.365 Impedance 50 Ω (Nominal) Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical Durability Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Sealed Aluminum Mylar Tape Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0	VSWR (Max.)	1.2	1.2	
Loss @2 GHz, dB 0.392 0.588 Loss @2.5 GHz, dB 0.444 0.666 Loss @5.8 GHz, dB 0.710 1.065 Loss (with 2 Connectors) 2 m 3 m Loss @900 MHz, dB 0.556 0.684 Loss @2 GHz, dB 0.692 0.888 Loss @2.5 GHz, dB 0.744 0.966 Loss @5.8 GHz, dB 1.010 1.365 Impedance 50 Ω (Nominal) Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical Durability Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, N	Loss (Cable Only)	2 m	3 m	
Loss @2.5 GHz, dB 0.444 0.666 Loss @5.8 GHz, dB 0.710 1.065 Loss (with 2 Connectors) 2 m 3 m Loss @900 MHz, dB 0.556 0.684 Loss @2 GHz, dB 0.692 0.888 Loss @2.5 GHz, dB 0.744 0.966 Loss @5.8 GHz, dB 1.010 1.365 Impedance 50 Ω (Nominal) Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical Durability Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Sealed Aluminum Mylar Tape Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Ni Surface P	Loss @900 MHz, dB	0.256	0.384	
Loss @5.8 GHz, dB	Loss @2 GHz, dB	0.392	0.588	
Loss (with 2 Connectors) Loss @900 MHz, dB Loss @900 MHz, dB Loss @2 GHz, dB Loss @2.5 GHz, dB Loss @5.8 GHz, dB Loss @65.8 GHz, dB Loss @66. Lose Ba Lo	Loss @2.5 GHz, dB	0.444	0.666	
Loss @900 MHz, dB Loss @2 GHz, dB Loss @2.5 GHz, dB Loss @2.5 GHz, dB Loss @5.8 GHz Lo	Loss @5.8 GHz, dB	0.710	1.065	
Loss @2 GHz, dB Loss @2.5 GHz, dB Loss @2.5 GHz, dB Loss @5.8 GHz, dB Loss @5.8 GHz, dB Inpedance Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage Insulation Resistance Durability Temperature Bending Radius Cabling Conductor Conductor Binder Binder Braid Shield Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni Surface Plating Certification(s) 0.888 0.692 0.888 0.996 0.9966 1.010 1.365 Impedance 1.000 (Nominal) 1.365 Impedance 5.00 (Nominal) 1.365 Impedance Insulation Insulation Insulator	Loss (with 2 Connectors)	2 m	3 m	
Loss @2.5 GHz, dB Loss @5.8 GHz, dB Loss @5.8 GHz, dB Impedance Frequency Range DC to 6 GHz (Max.) Dielectric Withstanding Voltage Insulation Resistance Mechanical Durability Temperature Bending Radius Cabling Conductor Copper Clad Aluminum, 1 Core,	Loss @900 MHz, dB	0.556	0.684	
Loss @5.8 GHz, dB Impedance Frequency Range Dielectric Withstanding Voltage Insulation Resistance Mechanical Durability Temperature Bending Radius Cabling Conductor Insulation Binder Braid Shield Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Certification(s) Insulator D1.365 Impedance Pequency Range DC to 6 GHz (Max.) Impedance Insulation Insulator Other Brass, Ni or Tri-alloy Surface Plating PTFE Other Other Brass, Ni Surface Plating	Loss @2 GHz, dB	0.692	0.888	
Impedance50 Ω (Nominal)Frequency RangeDC to 6 GHz (Max.)Dielectric Withstanding Voltage2,000 V (rms)Insulation Resistance5,000 MΩ (Min.)MechanicalDurabilityDurability500 Cycles (Min.)Temperature-45°C to +85 °C (Cable)Bending Radius25.4 mm (Min.)CablingCopper Clad Aluminum, 1 Core, Ø2.74 mmInsulationPEF, Thickness 2.2 mm, Outer Ø7.24 mmBinderSealed Aluminum Mylar TapeBraid ShieldAluminum Alloy Wire, 85%↑ CoverageJacketPVC or PE, Outer Ø10.3±0.25 mmConnectorBodyBrass, Ni or Tri-alloy Surface PlatingCenter ConductorBrass, Au or Ag Surface PlatingInsulatorPTFEOtherBrass, Ni Surface PlatingCertification(s)	Loss @2.5 GHz, dB	0.744	0.966	
Frequency Range Dielectric Withstanding Voltage Insulation Resistance Insulation Resistance Mechanical Durability Temperature Bending Radius Conductor Insulation Binder Braid Shield Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Insulator Other Certification(s) DC to 6 GHz (Max.) 2,000 V (rms) 2,0	Loss @5.8 GHz, dB	1.010	1.365	
Dielectric Withstanding Voltage 2,000 V (rms) Insulation Resistance 5,000 MΩ (Min.) Mechanical 500 Cycles (Min.) Durability 500 Cycles (Min.) Temperature -45°C to +85°C (Cable) Bending Radius 25.4 mm (Min.) Cabling Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Sealed Aluminum Mylar Tape Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Impedance	50 Ω (Nominal)		
Voltage Insulation Resistance Insulation Resistance Mechanical Durability Temperature -45°C to +85°C (Cable) Bending Radius Cabling Conductor Insulation Copper Clad Aluminum, 1 Core,	Frequency Range	DC to 6 GHz (Max.)	DC to 6 GHz (Max.)	
MechanicalDurability500 Cycles (Min.)Temperature-45°C to +85 °C (Cable)Bending Radius25.4 mm (Min.)CablingConductorCopper Clad Aluminum, 1 Core, Ø2.74 mmInsulationPEF, Thickness 2.2 mm, Outer Ø7.24 mmBinderSealed Aluminum Mylar TapeBraid ShieldAluminum Alloy Wire, 85%↑ CoverageJacketPVC or PE, Outer Ø10.3±0.25 mmConnectorBodyBrass, Ni or Tri-alloy Surface PlatingCenter ConductorBrass, Au or Ag Surface PlatingInsulatorPTFEOtherBrass, Ni Surface PlatingCertification(s)		2,000 V (rms)		
Durability 500 Cycles (Min.) Temperature -45°C to +85 °C (Cable) Bending Radius 25.4 mm (Min.) Cabling Conductor	Insulation Resistance	5,000 MΩ (Min.)	5,000 MΩ (Min.)	
Temperature Bending Radius 25.4 mm (Min.) Cabling Conductor Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Braid Shield Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Mechanical			
Bending Radius Cabling Conductor Copper Clad Aluminum, 1 Core, Ø2.74 mm PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Braid Shield Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Durability	500 Cycles (Min.)		
Cabling Conductor Copper Clad Aluminum, 1 Core, Ø2.74 mm Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Braid Shield Aluminum Alloy Wire, 85%↑ Coverage PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Temperature	-45°C to +85 °C (Cable)		
Conductor Copper Clad Aluminum, 1 Core, Ø2.74 mm PEF, Thickness 2.2 mm, Outer Ø7.24 mm Binder Sealed Aluminum Mylar Tape Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Bending Radius	25.4 mm (Min.)		
Insulation PEF, Thickness 2.2 mm, Outer Ø7.24 mm	Cabling			
Insulation Outer Ø7.24 mm Binder Sealed Aluminum Mylar Tape Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Conductor	• •		
Braid Shield Aluminum Alloy Wire, 85%↑ Coverage Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Insulation			
Jacket PVC or PE, Outer Ø10.3±0.25 mm Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Binder	Sealed Aluminum Mylar Tape		
Connector Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Braid Shield	Aluminum Alloy Wire, 85%↑ Coverage		
Body Brass, Ni or Tri-alloy Surface Plating Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Jacket	PVC or PE, Outer Ø10.3±0.25 mm		
Center Conductor Brass, Au or Ag Surface Plating Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Connector			
Insulator PTFE Other Brass, Ni Surface Plating Certification(s)	Body	Brass, Ni or Tri-allo	Brass, Ni or Tri-alloy Surface Plating	
Other Brass, Ni Surface Plating Certification(s)	Center Conductor	Brass, Au or Ag Sui	Brass, Au or Ag Surface Plating	
Certification(s)	Insulator	PTFE		
	Other	Brass, Ni Surface Plating		
IEC IEC 60169-16	Certification(s)			
	IEC	IEC 60169-16		



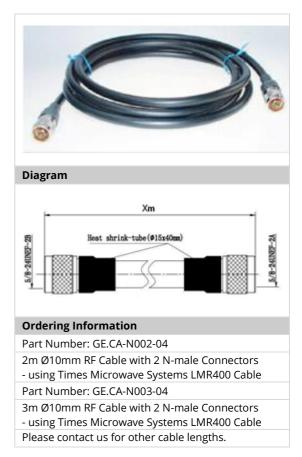
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Ø10mm RF Cable (LMR400) | External Antenna Connection

Specifications

Electrical			
Length	2 m	3 m	
VSWR (Max.)	1.2	1.2	
Loss (Cable Only)	2 m	3 m	
Loss @900 MHz, dB	0.256	0.384	
Loss @2 GHz, dB	0.392	0.588	
Loss @2.5 GHz, dB	0.444	0.666	
Loss @5.8 GHz, dB	0.710	1.065	
Loss (with 2 Connectors)	2 m	3 m	
Loss @900 MHz, dB	0.556	0.684	
Loss @2 GHz, dB	0.692	0.888	
Loss @2.5 GHz, dB	0.744	0.966	
Loss @5.8 GHz, dB	1.010	1.365	
Impedance	50 Ω (Nominal)		
Frequency Range	DC to 6 GHz (Max.)		
Dielectric Withstanding Voltage	2,000 V (rms)		
Insulation Resistance	5,000 MΩ (Min.)		
Mechanical			
Durability	500 Cycles (Min.)		
Temperature	-45°C to +85 °C (Cable)		
Bending Radius	25.4 mm (Min.)		
Cabling			
Conductor	Copper Clad Aluminum, 1 Core, Ø2.74 mm		
Insulation	PEF, Thickness 2.2 mm, Outer Ø7.24 mm		
Binder	Sealed Aluminum Mylar Tape		
Braid Shield	Aluminum Alloy Wire, 85%↑ Coverage		
Jacket	PVC or PE, Outer Ø10.3±0.25 mm		
Connector			
Body	Brass, Ni or Tri-alloy Surface Plating		
Center Conductor	Brass, Au or Ag Surface Plating		
Insulator	PTFE		
Other	Brass, Ni Surface Plating		
Certification(s)	tification(s)		
IEC	IEC 60169-16		



Version: 08 Jan 2020