LMR®-200 Flexible Low Loss Communications Coax

Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable



- LMR® standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.
- LMR*- DB is identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.
- LMR*-FR is a non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.
- LMR*- FR-PVC is a general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.
- LMR*-PVC is designed for low loss general-purpose applications and is somewhat more flexible than the standard polyethylene jacketed LMR.
- LMR®-PVC-W is a white-jacketed version of LMR-PVC for marine and other applications where color compatibility is desired.
- LMR*- MA is a flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminum tape to facilitate end stripping with automated equipment.
- Flexibility and bendability are hallmarks of the LMR-200 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

- Low Loss is another hallmark feature of LMR-200. Size for size LMR has the lowest loss of any flexible cable and comparable loss to semirigid hard-line cables.
- **RF Shielding** is 50 dB greater than typical single shielded coax (40 dB). The multi-ply bonded foil outer conductor is rated conservatively at > 90 dB (i.e. >180 dB between two adjacent cables).
- Weatherability: LMR-200 cables designed for outdoor exposure incorporate the best materials for UV resistance and have life expectancy in excess of 20 years.
- Connectors: A wide variety of connectors are available for LMR-200 cable, including all common interface types, reverse polarity, and a choice of solder or non-solder center pins. Most LMR connectors employ crimp outer attachment using standard hex crimp sizes.
- Cable Assemblies: All LMR-200 cable types are available as pre-terminated cable assemblies. Refer to the section on FlexTech for further details.

Part Description					
Part Number	Application	Jacket	Color	Code	
LMR-200	Outdoor	PE	Black	54022	
LMR-200-DB	Outdoor/Watertight	PE	Black	54089	
LMR-200-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54028	
LMR-200-FR-PV	C Indoor/OutdoorRiser CMF	RFRPVC	Black	54125	
LMR-200-PVC	General Purpose	PVC	Black	54216	
LMR-200-PVC-W	General Purpose	PVC	White	54201	
LMR-200-MA	Mobile Antennas	PVC	Black	54045	

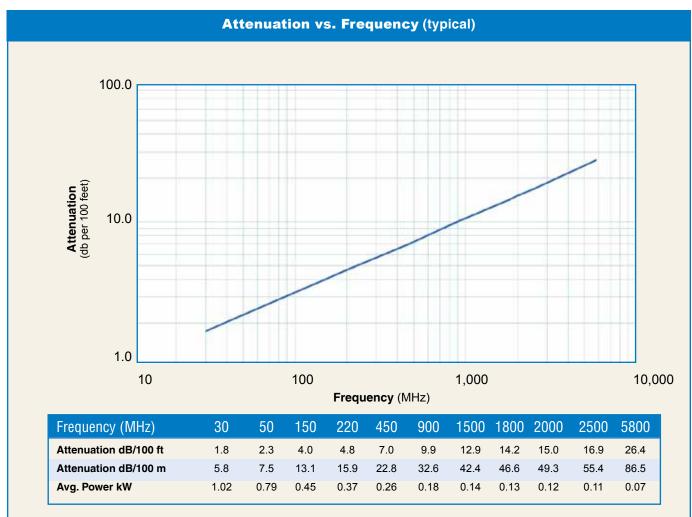
Construction Specifications						
Description	Material	In.	(mm)			
Inner Conductor	Solid BC	0.044	(1.12)			
Dielectric	Foam PE	0.116	(2.95)			
Outer Conductor	Aluminum Tape	0.121	(3.07)			
Overall Braid	Tinned Copper	0.144	(3.66)			
Jacket	(see table above)	0.195	(4.95)			



Mechanical Specifications							
Performance	Property	Units	US	(metric)			
Bend Radius:	installation	in. (mm)	0.5	(12.7)			
Bend Radius:	repeated	in. (mm)	2	(50.8)			
Bending Mon	nent	ft-lb (N-m)	0.2	(0.27)			
Weight		lb/ft (kg/m)	0.022	(0.03)			
Tensile Stren	gth	lb (kg)	40	(48)			
Flat Plate Cru	ısh	lb/in. (kg/mm)	15	(0.27)			

Environmental Specifications						
Performance Property	°F	°C				
Installation Temperature Range	-40/+185	-40/+85				
Storage Temperature Range	-94/+185	-70/+85				
Operating Temperature Range	-40/+185	-40/+85				

Electrical Specifications							
Performance Property	Units	US	(metric)				
Velocity of Propagation	%		83				
Dielectric Constant	NA		1.45				
Time Delay	nS/ft (nS/m)	1.22	(4.02)				
Impedance	ohms	50					
Capacitance	pF/ft (pF/m)	24.5	(80.3)				
Inductance	uH/ft (uH/m)	0.061	(0.20)				
Shielding Effectiveness	dB	>90					
DC Resistance							
Inner Conductor	ohms/1000ft (/km)	5.36	(17.6)				
Outer Conductor	ohms/1000ft (/km)	4.9	(16.1)				
Voltage Withstand	Volts DC	1000					
Jacket Spark	Volts RMS	3000					
Peak Power	kW	2.5					



Calculate Attenuation =

(0.320900) • √FMHz + (0.000330) • FMHz (interactive calculator available at http://www.timesmicrowave.com/cable_calculators)

Attenuation:

VSWR=1.0; Ambient = +25°C (77°F)

Power:

VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading

LMR®-200 Flexible Low Loss Communications Coax



Connec	tors	Part	Stock	vsw	/R**	Coupling	Inner Contact	Outer Contact	Finish* Body	l e	ngth	Wi	dth	Weigl	nt
Interface	Description	Number	Code	Freq. (Nut	Attach	Attach	/Pin	in	(mm)	in	(mm)	lb	(g)
1. BNC male	Straight Plug	TC-200-BM-X	3190-2883	<1.25:1	(2.5)	Knurl	Solder	Crimp	S/G	1.7	(43.2)	0.56	(14.2)	0.045	(20.4)
2. Mini-UHF	Straight Plug	TC-200-MUHF	3190-444	<1.25:1	(2.5)	Knurl	Solder	Crimp	NG	1.1	(27.9)	0.45	(11.4)	0.015	(6.8)
3. N male	Straight Plug	EZ-200-NMH-X	3190-2886	<1.25:1	(8)	Hex/Knurl	Spring Fit	Crimp	A/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
4. N male	Straight Plug	TC-200-NMH-X	3190-2882	<1.25:1	(6)	Hex	Solder	Crimp	A/G	1.5(38.1)	0.89	(22.6)	0.086	(39.0)
5. N male	Reverse Polarity	TC-200-NM-RP	3190-959	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
6. SMA male	Straight Plug	TC-200-SM-SS-X	3190-2881	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0(38.1)	0.75	(19.1)	0.073	(33.1)
7. SMA male	Reverse Polarity	TC-200-SM-RP	3190-327	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0	(25.4)	0.32	(8.1)	0.015	(6.8)
8. TNC male	Straight Plug	EZ-200-TM-X	3190-2885	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	S/G	1.4	(35.6)	0.59	(15.0)	0.045	(20.4)
9. TNC male	Straight Plug	TC-200-TMC	3190-240	<1.25:1	(2.5)	Knurl	Solder	Clamp	S/G	1.7	(43.2)	0.59	(15.0)	0.045	(20.4)
10. TNC male	Reverse Polarity	EZ-200-TM-RP	3190-792	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	A/G	1.4	(35.6)	0.32	(8.1)	0.045	(20.4)
11. TNC female	Straight Jack	TC-200-TF-X	3190-2884	<1.25:1	(2.5)	NA	Solder	Crimp	N/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
12. TNC female	Reverse Polarity	EZ-200-TF-RP	3190-793	<1.25:1	(2.5)	NA	Spring Fit	Crimp	A/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
	* Finish metals: N	I=Nickel, S=Silver,	G=Gold, SS	S=Stainles	s Ste	el, A=Alballo	y **VSWR	spec bas	ed on 3 fo	ot c	able wit	h a co	nnector	pair	





Hardware Accessories

Туре	Part Number	Stock Code	Description	
Ground Kit	GK-S200TT	GK-S200TT	Standard Ground Kit (each)	





Install Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-240/200/195/100	3190-667	Crimp tool for LMR-100, 195, 200 and 240 connectors
Cutting Tool	CCT-01	3190-1544	Cable end flush cut tool
Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges
Replacement Blade	RB-01	3190-1609	Replacement blade for cutting tool
Strip Tool	CST-195/200	3192-102	Combination prep tool for LMR-195 and LMR-200
Replacement Blade Kit	RB-CST	3192-086	Replacement blade kit for all strip tools
Replacement Blade	RB-CST	3192-086	Replacement blade kit for all CST strip tools

LMR®-200 Flexible Low Loss Communications Coax

Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable



- LMR® standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.
- LMR*- DB is identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.
- LMR*-FR is a non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.
- LMR*- FR-PVC is a general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.
- LMR*-PVC is designed for low loss general-purpose applications and is somewhat more flexible than the standard polyethylene jacketed LMR.
- LMR®-PVC-W is a white-jacketed version of LMR-PVC for marine and other applications where color compatibility is desired.
- LMR*- MA is a flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminum tape to facilitate end stripping with automated equipment.
- Flexibility and bendability are hallmarks of the LMR-200 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

- Low Loss is another hallmark feature of LMR-200. Size for size LMR has the lowest loss of any flexible cable and comparable loss to semirigid hard-line cables.
- **RF Shielding** is 50 dB greater than typical single shielded coax (40 dB). The multi-ply bonded foil outer conductor is rated conservatively at > 90 dB (i.e. >180 dB between two adjacent cables).
- Weatherability: LMR-200 cables designed for outdoor exposure incorporate the best materials for UV resistance and have life expectancy in excess of 20 years.
- Connectors: A wide variety of connectors are available for LMR-200 cable, including all common interface types, reverse polarity, and a choice of solder or non-solder center pins. Most LMR connectors employ crimp outer attachment using standard hex crimp sizes.
- Cable Assemblies: All LMR-200 cable types are available as pre-terminated cable assemblies. Refer to the section on FlexTech for further details.

Part Description					
Part Number	Application	Jacket	Color	Code	
LMR-200	Outdoor	PE	Black	54022	
LMR-200-DB	Outdoor/Watertight	PE	Black	54089	
LMR-200-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54028	
LMR-200-FR-PV	C Indoor/OutdoorRiser CMF	RFRPVC	Black	54125	
LMR-200-PVC	General Purpose	PVC	Black	54216	
LMR-200-PVC-W	General Purpose	PVC	White	54201	
LMR-200-MA	Mobile Antennas	PVC	Black	54045	

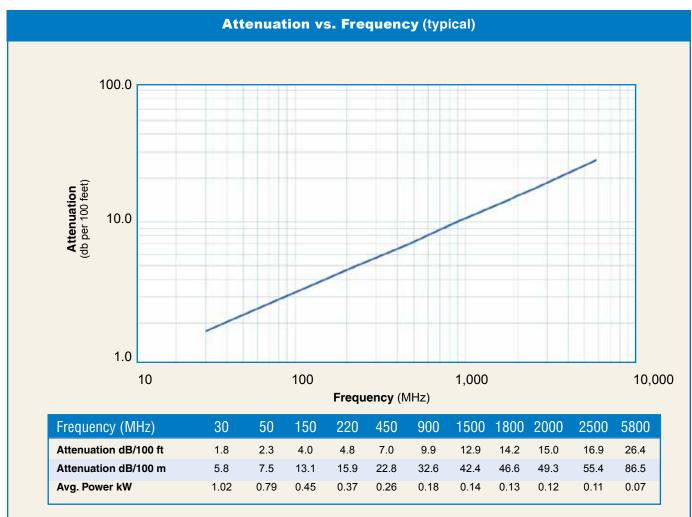
Construction Specifications						
Description	Material	In.	(mm)			
Inner Conductor	Solid BC	0.044	(1.12)			
Dielectric	Foam PE	0.116	(2.95)			
Outer Conductor	Aluminum Tape	0.121	(3.07)			
Overall Braid	Tinned Copper	0.144	(3.66)			
Jacket	(see table above)	0.195	(4.95)			



Mechanical Specifications							
Performance	Property	Units	US	(metric)			
Bend Radius:	installation	in. (mm)	0.5	(12.7)			
Bend Radius:	repeated	in. (mm)	2	(50.8)			
Bending Mon	nent	ft-lb (N-m)	0.2	(0.27)			
Weight		lb/ft (kg/m)	0.022	(0.03)			
Tensile Stren	gth	lb (kg)	40	(48)			
Flat Plate Cru	ısh	lb/in. (kg/mm)	15	(0.27)			

Environmental Specifications						
Performance Property	°F	°C				
Installation Temperature Range	-40/+185	-40/+85				
Storage Temperature Range	-94/+185	-70/+85				
Operating Temperature Range	-40/+185	-40/+85				

Electri	cal Specifica	tions	
Performance Property	Units	US	(metric)
Velocity of Propagation	%		83
Dielectric Constant	NA		1.45
Time Delay	nS/ft (nS/m)	1.22	(4.02)
Impedance	ohms	50	
Capacitance	pF/ft (pF/m)	24.5	(80.3)
Inductance	uH/ft (uH/m)	0.061	(0.20)
Shielding Effectiveness	dB	>90	
DC Resistance			
Inner Conductor	ohms/1000ft (/km)	5.36	(17.6)
Outer Conductor	ohms/1000ft (/km)	4.9	(16.1)
Voltage Withstand	Volts DC	1000	
Jacket Spark	Volts RMS	3000	
Peak Power	kW	2.5	



Calculate Attenuation =

(0.320900) • √FMHz + (0.000330) • FMHz (interactive calculator available at http://www.timesmicrowave.com/cable_calculators)

Attenuation:

VSWR=1.0; Ambient = +25°C (77°F)

Power:

VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading

LMR®-200 Flexible Low Loss Communications Coax



Connec	tors	Part	Stock	vsw	/R**	Coupling	Inner Contact	Outer Contact	Finish* Body	l e	ngth	Wi	dth	Weigl	nt
Interface	Description	Number	Code	Freq. (Nut	Attach	Attach	/Pin	in	(mm)	in	(mm)	lb	(g)
1. BNC male	Straight Plug	TC-200-BM-X	3190-2883	<1.25:1	(2.5)	Knurl	Solder	Crimp	S/G	1.7	(43.2)	0.56	(14.2)	0.045	(20.4)
2. Mini-UHF	Straight Plug	TC-200-MUHF	3190-444	<1.25:1	(2.5)	Knurl	Solder	Crimp	NG	1.1	(27.9)	0.45	(11.4)	0.015	(6.8)
3. N male	Straight Plug	EZ-200-NMH-X	3190-2886	<1.25:1	(8)	Hex/Knurl	Spring Fit	Crimp	A/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
4. N male	Straight Plug	TC-200-NMH-X	3190-2882	<1.25:1	(6)	Hex	Solder	Crimp	A/G	1.5(38.1)	0.89	(22.6)	0.086	(39.0)
5. N male	Reverse Polarity	TC-200-NM-RP	3190-959	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
6. SMA male	Straight Plug	TC-200-SM-SS-X	3190-2881	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0(38.1)	0.75	(19.1)	0.073	(33.1)
7. SMA male	Reverse Polarity	TC-200-SM-RP	3190-327	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0	(25.4)	0.32	(8.1)	0.015	(6.8)
8. TNC male	Straight Plug	EZ-200-TM-X	3190-2885	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	S/G	1.4	(35.6)	0.59	(15.0)	0.045	(20.4)
9. TNC male	Straight Plug	TC-200-TMC	3190-240	<1.25:1	(2.5)	Knurl	Solder	Clamp	S/G	1.7	(43.2)	0.59	(15.0)	0.045	(20.4)
10. TNC male	Reverse Polarity	EZ-200-TM-RP	3190-792	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	A/G	1.4	(35.6)	0.32	(8.1)	0.045	(20.4)
11. TNC female	Straight Jack	TC-200-TF-X	3190-2884	<1.25:1	(2.5)	NA	Solder	Crimp	N/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
12. TNC female	Reverse Polarity	EZ-200-TF-RP	3190-793	<1.25:1	(2.5)	NA	Spring Fit	Crimp	A/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
	* Finish metals: N	I=Nickel, S=Silver,	G=Gold, SS	S=Stainles	s Ste	el, A=Alballo	y **VSWR	spec bas	ed on 3 fo	ot c	able wit	h a co	nnector	pair	





Hardware Accessories

Туре	Part Number	Stock Code	Description	
Ground Kit	GK-S200TT	GK-S200TT	Standard Ground Kit (each)	





Install Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-240/200/195/100	3190-667	Crimp tool for LMR-100, 195, 200 and 240 connectors
Cutting Tool	CCT-01	3190-1544	Cable end flush cut tool
Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges
Replacement Blade	RB-01	3190-1609	Replacement blade for cutting tool
Strip Tool	CST-195/200	3192-102	Combination prep tool for LMR-195 and LMR-200
Replacement Blade Kit	RB-CST	3192-086	Replacement blade kit for all strip tools
Replacement Blade	RB-CST	3192-086	Replacement blade kit for all CST strip tools

LMR®-200 Flexible Low Loss Communications Coax

Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable



- LMR® standard is a UV Resistant Polyethylene jacketed cable designed for 20-year service outdoor use. The bending and handling characteristics are significantly better than air-dielectric and corrugated hard-line cables.
- LMR*- DB is identical to standard LMR plus has the advantage of being watertight. The addition of waterproofing compound in and around the foil/braid insures continuous reliable service should the jacket be inadvertently damaged during installation or in the future.
- LMR*-FR is a non-halogen (non-toxic), low smoke, fire retardant cable designed for in-building runs that can be routed anywhere except air handling plenums. LMR-FR is UL/NEC & CSA rated 'CMR' and 'FT4' respectively, meets FAA FAR25 requirements and is MSHA-P for mining applications.
- LMR*- FR-PVC is a general-purpose indoor cable and has a UL/NEC & CSA rating of 'CMR' and 'FT4' respectively. It is less expensive than LMR-FR, however it emits toxic fumes (HCL) and greater smoke density when burned.
- LMR*-PVC is designed for low loss general-purpose applications and is somewhat more flexible than the standard polyethylene jacketed LMR.
- LMR®-PVC-W is a white-jacketed version of LMR-PVC for marine and other applications where color compatibility is desired.
- LMR*- MA is a flexible cable designed specifically for mobile antenna applications. It has a PVC jacket and un-bonded aluminum tape to facilitate end stripping with automated equipment.
- Flexibility and bendability are hallmarks of the LMR-200 cable design. The flexible outer conductor enables the tightest bend radius available for any cable of similar size and performance.

- Low Loss is another hallmark feature of LMR-200. Size for size LMR has the lowest loss of any flexible cable and comparable loss to semirigid hard-line cables.
- **RF Shielding** is 50 dB greater than typical single shielded coax (40 dB). The multi-ply bonded foil outer conductor is rated conservatively at > 90 dB (i.e. >180 dB between two adjacent cables).
- Weatherability: LMR-200 cables designed for outdoor exposure incorporate the best materials for UV resistance and have life expectancy in excess of 20 years.
- Connectors: A wide variety of connectors are available for LMR-200 cable, including all common interface types, reverse polarity, and a choice of solder or non-solder center pins. Most LMR connectors employ crimp outer attachment using standard hex crimp sizes.
- Cable Assemblies: All LMR-200 cable types are available as pre-terminated cable assemblies. Refer to the section on FlexTech for further details.

	Part Description			Stock
Part Number	Application	Jacket	Color	Code
LMR-200	Outdoor	PE	Black	54022
LMR-200-DB	Outdoor/Watertight	PE	Black	54089
LMR-200-FR	Indoor/Outdoor Riser CMR	FRPE	Black	54028
LMR-200-FR-PV	C Indoor/OutdoorRiser CMF	RFRPVC	Black	54125
LMR-200-PVC	General Purpose	PVC	Black	54216
LMR-200-PVC-W	General Purpose	PVC	White	54201
LMR-200-MA	Mobile Antennas	PVC	Black	54045

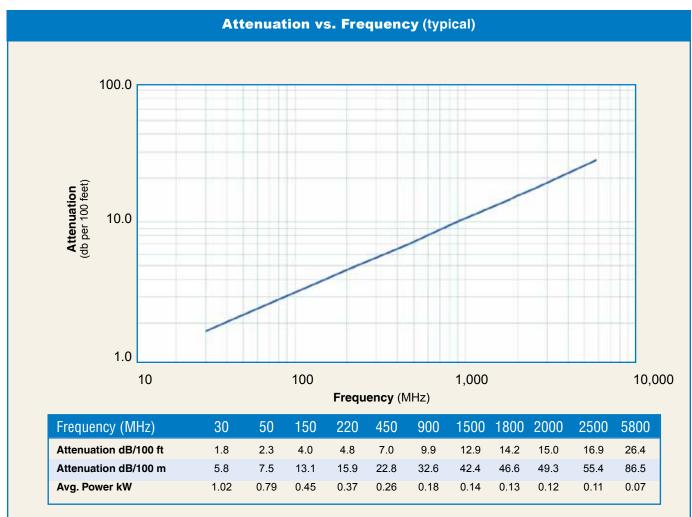
Construction Specifications						
Description	Material	In.	(mm)			
Inner Conductor	Solid BC	0.044	(1.12)			
Dielectric	Foam PE	0.116	(2.95)			
Outer Conductor	Aluminum Tape	0.121	(3.07)			
Overall Braid	Tinned Copper	0.144	(3.66)			
Jacket	(see table above)	0.195	(4.95)			



	Mechanic	al Specific	ations	
Performance	Property	Units	US	(metric)
Bend Radius:	installation	in. (mm)	0.5	(12.7)
Bend Radius:	repeated	in. (mm)	2	(50.8)
Bending Mon	nent	ft-lb (N-m)	0.2	(0.27)
Weight		lb/ft (kg/m)	0.022	(0.03)
Tensile Stren	gth	lb (kg)	40	(48)
Flat Plate Cru	ısh	lb/in. (kg/mm)	15	(0.27)

Environmental Specifications							
Performance Property	°F	°C					
Installation Temperature Range	-40/+185	-40/+85					
Storage Temperature Range	-94/+185	-70/+85					
Operating Temperature Range	-40/+185	-40/+85					

Electri	cal Specifica	tions	
Performance Property	Units	US	(metric)
Velocity of Propagation	%		83
Dielectric Constant	NA		1.45
Time Delay	nS/ft (nS/m)	1.22	(4.02)
Impedance	ohms	50	
Capacitance	pF/ft (pF/m)	24.5	(80.3)
Inductance	uH/ft (uH/m)	0.061	(0.20)
Shielding Effectiveness	dB	>90	
DC Resistance			
Inner Conductor	ohms/1000ft (/km)	5.36	(17.6)
Outer Conductor	ohms/1000ft (/km)	4.9	(16.1)
Voltage Withstand	Volts DC	1000	
Jacket Spark	Volts RMS	3000	
Peak Power	kW	2.5	



Calculate Attenuation =

(0.320900) • √FMHz + (0.000330) • FMHz (interactive calculator available at http://www.timesmicrowave.com/cable_calculators)

Attenuation:

VSWR=1.0; Ambient = +25°C (77°F)

Power:

VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading

LMR®-200 Flexible Low Loss Communications Coax



Connec	tors	Part	Stock	vsw	/R**	Coupling	Inner Contact	Outer Contact	Finish* Body	l e	ngth	Wi	dth	Weigl	nt
Interface	Description	Number	Code	Freq. (Nut	Attach	Attach	/Pin	in	(mm)	in	(mm)	lb	(g)
1. BNC male	Straight Plug	TC-200-BM-X	3190-2883	<1.25:1	(2.5)	Knurl	Solder	Crimp	S/G	1.7	(43.2)	0.56	(14.2)	0.045	(20.4)
2. Mini-UHF	Straight Plug	TC-200-MUHF	3190-444	<1.25:1	(2.5)	Knurl	Solder	Crimp	NG	1.1	(27.9)	0.45	(11.4)	0.015	(6.8)
3. N male	Straight Plug	EZ-200-NMH-X	3190-2886	<1.25:1	(8)	Hex/Knurl	Spring Fit	Crimp	A/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
4. N male	Straight Plug	TC-200-NMH-X	3190-2882	<1.25:1	(6)	Hex	Solder	Crimp	A/G	1.5(38.1)	0.89	(22.6)	0.086	(39.0)
5. N male	Reverse Polarity	TC-200-NM-RP	3190-959	<1.25:1	(2.5)	Knurl	Solder	Crimp	N/G	1.5	(38.1)	0.75	(19.1)	0.073	(33.1)
6. SMA male	Straight Plug	TC-200-SM-SS-X	3190-2881	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0(38.1)	0.75	(19.1)	0.073	(33.1)
7. SMA male	Reverse Polarity	TC-200-SM-RP	3190-327	<1.25:1	(2.5)	Hex	Solder	Crimp	SS/G	1.0	(25.4)	0.32	(8.1)	0.015	(6.8)
8. TNC male	Straight Plug	EZ-200-TM-X	3190-2885	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	S/G	1.4	(35.6)	0.59	(15.0)	0.045	(20.4)
9. TNC male	Straight Plug	TC-200-TMC	3190-240	<1.25:1	(2.5)	Knurl	Solder	Clamp	S/G	1.7	(43.2)	0.59	(15.0)	0.045	(20.4)
10. TNC male	Reverse Polarity	EZ-200-TM-RP	3190-792	<1.25:1	(2.5)	Knurl	Spring Fit	Crimp	A/G	1.4	(35.6)	0.32	(8.1)	0.045	(20.4)
11. TNC female	Straight Jack	TC-200-TF-X	3190-2884	<1.25:1	(2.5)	NA	Solder	Crimp	N/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
12. TNC female	Reverse Polarity	EZ-200-TF-RP	3190-793	<1.25:1	(2.5)	NA	Spring Fit	Crimp	A/G	1.3	(33.0)	0.57	(14.5)	0.033	(15.0)
	* Finish metals: N	I=Nickel, S=Silver,	G=Gold, SS	S=Stainles	s Ste	el, A=Alballo	y **VSWR	spec bas	ed on 3 fo	ot c	able wit	h a co	nnector	pair	





Hardware Accessories

Туре	Part Number	Stock Code	Description	
Ground Kit	GK-S200TT	GK-S200TT	Standard Ground Kit (each)	





Install Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-240/200/195/100	3190-667	Crimp tool for LMR-100, 195, 200 and 240 connectors
Cutting Tool	CCT-01	3190-1544	Cable end flush cut tool
Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges
Replacement Blade	RB-01	3190-1609	Replacement blade for cutting tool
Strip Tool	CST-195/200	3192-102	Combination prep tool for LMR-195 and LMR-200
Replacement Blade Kit	RB-CST	3192-086	Replacement blade kit for all strip tools
Replacement Blade	RB-CST	3192-086	Replacement blade kit for all CST strip tools