

Jumper Cables



dB Loss (900MHz)	dB Loss (2.4GHz)	Cable Type and Length	Connector Type	Description	Type	Part No.
0.1	0.2	LMR195 1FT	SMA male - SMA male	1FT LMR195 SMA male - SMA male	WI-ACC-LMR195-1FT SMA M-SMA M	6720005243
0.2	0.4	LMR195 2FT	SMA male - SMA male	2FT LMR195 SMA male - SMA male	WI-ACC-LMR195-2FT SMA M-SMA M	6720005244
0.3	0.6	LMR195 3FT	SMA male - SMA male	3FT LMR195 SMA male - SMA male	WI-ACC-LMR195-3FT SMA M-SMA M	6720005245
0.1	0.2	LMR195 1FT	SMA male - N male	1FT LMR195 SMA male - N male	WI-ACC-LMR195-1FT SMA M-NM	6720005270
0.2	0.4	LMR195 2FT	SMA male - N male	2FT LMR195 SMA male - N male	WI-ACC-LMR195-2FT SMA M-NM	6720005260
0.3	0.6	LMR195 3FT	SMA male - N male	3FT LMR195 SMA male - N male	WI-ACC-LMR195-3FT SMA M-NM	6720005259
0.4	0.7	LMR400 10FT	SMA male - N male	10FT LMR400 SMA male - N male	WI-ACC-LMR400-10FT SMA M-NM	6720005240
1.0	1.7	LMR400 25FT	SMA male - N male	25FT LMR400 SMA male - N male	WI-ACC-LMR400-25FT SMA M-NM	6720005241
1.6	2.7	LMR400 40FT	SMA male - N male	40FT LMR400 SMA male - N male	WI-ACC-LMR400-40FT SMA M-NM	6720005242
0.1	0.2	LMR195 1FT	N male - N male	1FT LMR195 N male - N male	WI-ACC-LMR195-1FT NM-NM	6720005246
0.2	0.4	LMR195 2FT	N male - N male	2FT LMR195 N male - N male	WI-ACC-LMR195-2FT NM-NM	6720005247
0.3	0.6	LMR195 3FT	N male - N male	3FT LMR195 N male - N male	WI-ACC-LMR195-3FT NM-NM	6720005248
0.4	0.7	LMR400 10FT	N male - N male	10FT LMR400 N male - N male	WI-ACC-LMR400-10FT NM-NM	6720005251
1.0	1.7	LMR400 25FT	N male - N male	25FT LMR400 N male - N male	WI-ACC-LMR400-25FT NM-NM	6720005252
1.6	2.7	LMR400 40FT	N male - N male	40FT LMR400 N male - N male	WI-ACC-LMR400-40FT NM-NM	6720005253
2.1	3.7	LMR400 55FT	N male - N male	55FT LMR400 N male - N male	WI-ACC-LMR400-55FT NM-NM	6720005254
3.0	5.2	LMR400 75FT	N male - N male	75FT LMR400 N male - N male	WI-ACC-LMR400-75FT NM-NM	6720005255
3.8	6.7	LMR400 100FT	N male - N male	100FT LMR400 N male - N male	WI-ACC-LMR400-100FT NM-NM	6720005256
5.0	9.6	LMR600 200FT	N male - N male	200FT LMR600 N male - N male	WI-ACC-LMR600-200FT NM-NM	6720005257

Hardware



Description	For use with	Type	Part No.
Angled Bracket for 4, 6, and 10 dBi 2.4 MHz Omnis	2.4 GHz antennas	WI-ACC-24GHZ-4610DB-ANG-BRKT	6720005209
Straight Bracket for 4, 6, and 10 dBi 2.4 MHz Omnis	2.4 GHz antennas	WI-ACC-24GHZ-4610DB-STR-BRKT	6720005210
Mounting Bracket for part number 6720005203	2.4 GHz antennas	WI-ACC-24GHZ-12DB-STR-BRKT	6720005211
Antenna MAG Base with 12' SMA male cable	2.4 GHz & 900 MHz antennas	WI-ACC-MAGBASE 12 RG58 SMA MALE	6720005263
Mounting Bracket for parts 6720005228 and 6720005229	900 MHz antennas	WI-ACC-900MHZ-OMNI-STR-BRKT	6720005268
Mounting Bracket for 900MHz 6.5, 10, 12 dBd Yagis	900 MHz antennas	WI-ACC-900MHZ-YAGI-STR-BRKT	6720005266
Mounting Bracket for part number 6720005226	900 MHz antennas	WI-ACC-900MHZ-14YAGI-STR-BRKT	6720005267
Mounting Bracket for part numbers 6720005233, 6720005234, 6720005235	900 MHz antennas	WI-ACC-900MHZ-035OMNI-STR-BRKT	6720005271
Mounting Bracket for part number 6720005236	900 MHz antennas	WI-ACC-900MHZ-7OMNI-STR-BRKT	6720005272
125-1000 MHz Surge Polyphaser N female - N female	Bulkhead & Surge	WI-ACC-125-1000MHZ SURGE NF-NF	6720005261
2-6 GHz Surge Polyphaser N female - N female	Bulkhead & Surge	WI-ACC-2-6GHZ SURGE NF-NF	6720005262
Bulkhead Adapter N female -N female	Bulkhead	WI-ACC-BULK-ADAPT NF-NF	6720005250
Bulkhead Adapter SMA female - SMA female	Bulkhead	WI-ACC-BULK SMA F - SMA F	6720005296
Class 1 Division 1 Bulkhead SMA male - SMA female	Bulkhead	WI-ACC-BULK-C1D1 SMA M - SMA M	6720005298
Class 1 Division 1 Bulkhead SMA male - N male	Bulkhead	WI-ACC-BULK-C1D1 SMA M - NM	6720005299
DB9 Female RJ45 Serial Configuration Cable	WI-I/O 9-L units	WI-CSER-RJ45	6720005108

Adapters

Description	Type	Part No.
SMA male - SMA male Adapter	WI-ACC-ADAPT SMA M - SMA M	6720005290
SMA female - SMA female Adapter	WI-ACC-ADAPT SMA F - SMA F	6720005291
N male - N male Adapter	WI-ACC-ADAPT NM - NM	6720005292
N female - N female Adapter	WI-ACC-ADAPT NF - NF	6720005293
SMA female - N male Adapter	WI-ACC-ADAPT SMA F - NM	6720005294
SMA male - N female Adapter	WI-ACC-ADAPT SMA M - NF	6720005295
SMA female - SMA male Angled Adapter	WI-ACC-ADAPT SMA F - SMA M ANGL	6720005297



Jumper Cables

LMR195



LMR400



LMR600



Electrical Specifications

Cutoff Frequency	41 GHz
Velocity of Propagation	80%
Dielectric Constant	1.56
Time Delay nS/ft (nS/m)	1.27 (4.17)
Impedance	50 ohms
Capacitance pF/ft (pF/m)	25.4 (83.3)
Inductance uH/ft (uH/m)	0.064 (0.21)
Shielding Effectiveness	>90 dB
DC Resistance:	
Inner Conductor ohms/1000ft (/km)	7.6 (24.9)
Outer Conductor ohms/1000ft (/km)	4.9 (16.1)
Voltage Withstand	1000 VDC
Jacket Spark	3000 Vrms
Peak Power	2.5 kW

Cutoff Frequency	16.2 GHz
Velocity of Propagation	85%
Dielectric Constant	1.38
Time Delay nS/ft (nS/m)	1.20 (3.92)
Impedance	50 ohms
Capacitance pF/ft (pF/m)	23.9 (78.4)
Inductance uH/ft (uH/m)	0.060 (0.20)
Shielding Effectiveness	>90 dB
DC Resistance:	
Inner Conductor ohms/1000ft (/km)	1.39 (4.6)
Outer Conductor ohms/1000ft (/km)	1.65 (5.4)
Voltage Withstand	2500 VDC
Jacket Spark	8000 Vrms
Peak Power	16 kW

Cutoff Frequency	10.3 GHz
Velocity of Propagation	87%
Dielectric Constant	1.32
Time Delay nS/ft (nS/m)	1.17 (3.83)
Impedance	50 Ohms
Capacitance pF/ft (pF/m)	23.4 (76.6)
Inductance uH/ft (uH/m)	0.058 (0.19)
Shielding Effectiveness	>90 dB
DC Resistance:	
Inner Conductor ohms/1000ft (/km)	0.53 (1.7)
Outer Conductor ohms/1000ft (/km)	1.2 (3.9)
Voltage Withstand	4000 VDC
Jacket Spark	8000 Vrms
Peak Power	40 kW

Mechanical Specifications

Bend Radius: installation in. (mm)	0.5 (12.7)
Bend Radius: repeated in. (mm)	2.0 (50.8)
Bending Moment ft-lb (N-m)	0.2 (0.27)
Weight lb/ft (kg/m)	0.021 (0.03)
Tensile Strength lb (kg)	40 (18.2)
Flat Plate Crush lb/in. (kg/mm)	15 (0.27)

Bend Radius: installation in. (mm)	1.00 (25.4)
Bend Radius: repeated in. (mm)	4.0 (101.6)
Bending Moment ft-lb (N-m)	0.5 (0.68)
Weight lb/ft (kg/m)	0.068 (0.10)
Tensile Strength lb (kg)	160 (72.6)
Flat Plate Crush lb/in. (kg/mm)	40 (0.71)

Bend Radius: installation in. (mm)	1.50 (38.1)
Bend Radius: repeated in. (mm)	6.0 (152.4)
Bending Moment ft-lb (N-m)	2.75 (3.73)
Weight lb/ft (kg/m)	0.131 (0.20)
Tensile Strength lb (kg)	350 (158.9)
Flat Plate Crush lb/in. (kg/mm)	60 (1.07)

Environmental Specifications

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

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

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

		dB Loss	
Ordering Data	900Mhz	2.4Ghz	
SMA to SMA - 1 ft.	0.1	0.2	
SMA to SMA - 2 ft.	0.2	0.4	
SMA to SMA - 3 ft.	0.3	0.6	
SMA to NM - 1 ft.	0.1	0.2	
SMA to NM - 2 ft.	0.2	0.4	
SMA to NM - 3 ft.	0.3	0.6	
NM to NM - 1 ft.	0.4	0.7	
NM to NM - 2 ft.	1.0	1.7	
NM to NM - 3 ft.	1.6	2.7	
SMA to NM - 10 ft.	0.1	0.2	
SMA to NM - 25 ft.	0.2	0.4	
SMA to NM - 40 ft.	0.3	0.6	
NM to NM - 10 ft.	0.4	0.7	
NM to NM - 25 ft.	1.0	1.7	
NM to NM - 40 ft.	1.6	2.7	
NM to NM - 55 ft.	2.1	3.7	
NM to NM - 75 ft.	3.0	5.2	
NM to NM - 100 ft.	3.8	6.7	
NM to NM - 200 ft.	5.0	9.6	

Type	Part No.
WI-ACC-LMR195-1FT SMA M-SMA M	6720005243
WI-ACC-LMR195-2FT SMA M-SMA M	6720005244
WI-ACC-LMR195-3FT SMA M-SMA M	6720005245
WI-ACC-LMR195-1FT SMA M-NM	6720005270
WI-ACC-LMR195-2FT SMA M-NM	6720005260
WI-ACC-LMR195-3FT SMA M-NM	6720005259
WI-ACC-LMR195-1FT NM-NM	6720005246
WI-ACC-LMR195-2FT NM-NM	6720005247
WI-ACC-LMR195-3FT NM-NM	6720005248

Type	Part No.
WI-ACC-LMR400-10FT SMA M-NM	6720005240
WI-ACC-LMR400-25FT SMA M-NM	6720005241
WI-ACC-LMR400-40FT SMA M-NM	6720005242
WI-ACC-LMR400-10FT NM-NM	6720005251
WI-ACC-LMR400-25FT NM-NM	6720005252
WI-ACC-LMR400-40FT NM-NM	6720005253
WI-ACC-LMR400-55FT NM-NM	6720005254
WI-ACC-LMR400-75FT NM-NM	6720005255
WI-ACC-LMR400-100FT NM-NM	6720005256

Type	Part No.
WI-ACC-LMR600-200FT NM-NM	6720005257