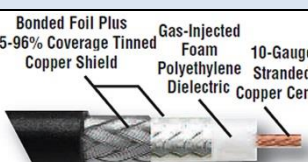


DX Engineering Coaxial Cable Reference Chart

DXE-400MAX Low-Loss Cable **50-ohm**



UV Resistant - Waterproof - Black PE Jacket

Gas-Injected Foam Won't Absorb Water

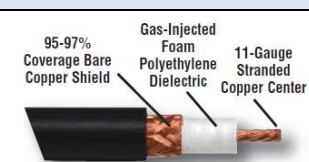
- Low-loss, gas-injected foam polyethylene dielectric bonded tape foil covered by a braided copper shield
- .405" low-density polyethylene jacket
- Waterproof
- UV resistant, ideal for outdoor use
- Direct bury

Attenuation/ 100 ft.	Power Rating	Efficiency Approximate
0.3 dB @ 5 MHz	6.9 kW	93 %
0.5 dB @ 10 MHz	4.8 kW	90 %
0.8 dB @ 30 MHz	2.8 kW	83 %
1.1 dB @ 50 MHz	2.1 kW	79 %
1.8 dB @ 150 MHz	1.2 kW	65 %
3.3 dB @ 450 MHz	0.7 kW	47 %

NOT Recommended for Rotator Loops
Velocity Factor: 84% (0.84)
Minimum Bend Radius: 2.5"

DXE-400MAX Low-Loss Cable

DXE-8U Low-Loss 50-ohm **Foam Dielectric Cable**



Black PVC Jacket

Gas-Injected Foam Won't Absorb Water

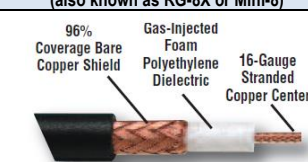
- Low-loss, gas-injected foam polyethylene dielectric
- .405" high-flex PVC jacket
- Low-loss foam dielectric
- Braided copper shield

Attenuation/ 100 ft.	Power Rating	Efficiency Approximate
0.3 dB @ 5 MHz	5.4 kW	93 %
0.6 dB @ 10 MHz	3.4 kW	87 %
1.0 dB @ 30 MHz	2.0 kW	79 %
1.3 dB @ 50 MHz	1.5 kW	73 %
2.2 dB @ 150 MHz	1.0 kW	60 %

NOT Recommended for Rotator Loops
Velocity Factor: 81% (0.81)
Minimum Bend Radius: 2.5"

DXE-8U Low-Loss **Foam Dielectric Cable**

DXE-8X – DXE-8XV Low-Loss **50-ohm Foam Dielectric Cable** (also known as RG-8X or Mini-8)



UV-Resistant, Non-Contaminating, Black PVC Jacket

Gas-Injected Foam Won't Absorb Water

- Low-loss, gas-injected foam polyethylene dielectric, .242" Type II jacket is non-contaminating and UV-resistant
- Very flexible; ideal for short, in-shack jumper cables, Direct-bury
- Available in High Visibility Orange Jacket

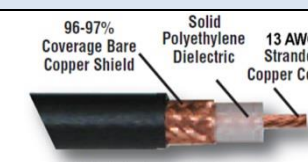
DXE-8XV 

Attenuation/ 100 ft.	Power Rating	Efficiency Approximate
0.65 dB @ 5 MHz	3.0 kW	86 %
1.0 dB @ 10 MHz	2.2 kW	79 %
1.5 dB @ 30 MHz	1.2 kW	70 %
2.3 dB @ 50 MHz	0.9 kW	59 %
3.8 dB @ 150 MHz	0.4 kW	42 %

NOT Recommended for Rotator Loops
Velocity Factor: 78% (0.78)
Minimum Bend Radius: 2.4"

DXE-8X – DXE-8XV Low-Loss **Foam Dielectric Cable** (also known as RG-8X or Mini-8)

DXE-213U **50-ohm Cable**



UV-Resistant, Non-Contaminating, Black PVC Jacket

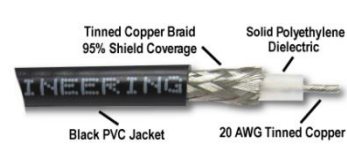
- Solid Polyethylene Dielectric
- Okay for repeated bending
- Recommended for Rotator Loops
- .405" Type II jacket is non-contaminating and UV-resistant, suitable for outdoor use
- Direct-bury
- Braided copper shield

Attenuation/ 100 ft.	Power Rating	Efficiency Approximate
0.4 dB @ 5 MHz	4.9 kW	91 %
0.6 dB @ 10 MHz	3.4 kW	87 %
1.0 dB @ 30 MHz	2.0 kW	79 %
1.3 dB @ 50 MHz	1.5 kW	73 %
2.4 dB @ 150 MHz	0.9 kW	57 %

Recommended for Rotator Loops
Velocity Factor: 66% (0.66)
Minimum Bend Radius: 5"

DXE-213U **50-ohm Cable**

DXE-58AU **50-ohm Cable**



Black PVC Jacket

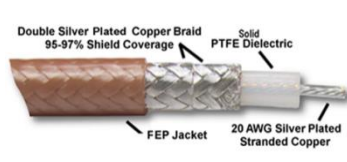
- 19 strands - 20 AWG center conductor
- Polyethylene Dielectric
- Tinned braided copper shield
- 95-97% Shield coverage
- .195" PVC Type 1 jacket

Attenuation/ 100 ft.	Power Rating
0.5 dB @ 1 MHz	1000 W
1.5 dB @ 5 MHz	600 W
2.8 dB @ 30 MHz	350 W
3.0 dB @ 50 MHz	250 W
4.0 dB @ 150 MHz	150 W

Velocity Factor: 66% (0.66)
Minimum Bend Radius: 3"

DXE-58AU **50-ohm Cable**

DXE-RG400 50-ohm **High Isolation - High Power**



FEP Jacket

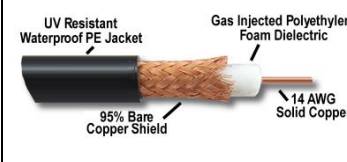
- Solid Polytetrafluoroethylene (PTFE) Dielectric
- Silver plated copper braid - 2 layers
- 95-97% Shield coverage
- 20 AWG Silver clad copper center conductor
- .195" FEP jacket UV resistant
- High Isolation - High Power

Attenuation/ 100 ft.	Power Rating
0.4 dB @ 1 MHz	5.0 kW
0.9 dB @ 5 MHz	5.0 kW
2.2 dB @ 30 MHz	2.75 kW
2.9 dB @ 50 MHz	2.1 kW
5.1 dB @ 150 MHz	1.2 kW
9.1 dB @ 450 MHz	670 W

Velocity Factor: 69.5% (0.695)
Minimum Bend Radius: 1"

DXE-RG400 50-ohm **High Isolation - High Power**

DXE-11U **75-ohm Low Loss Cable**



Gas Injected Polyethylene Foam Dielectric

Gas-Injected Foam Won't Absorb Water

- Low-loss, gas-injected PE foam dielectric
- .405" Low Density Polyethylene jacket Black UV resistant, ideal for outdoor use
- Water Proof PE Jacket
- Direct bury
- NOT Recommended for Rotator Loops

Attenuation/ 100 ft.	Power Rating
0.2 dB @ 1 MHz	5.0 kW
0.3 dB @ 5 MHz	3.6 kW
0.4 dB @ 10 MHz	2.5 kW
0.7 dB @ 30 MHz	1.5 kW
1.0 dB @ 50 MHz	1.0 kW
1.8 dB @ 150 MHz	250 W
3.3 dB @ 450 MHz	100 W

NOT Recommended for Rotator Loops
Velocity Factor: 82% (0.82)
Minimum Bend Radius: 4"

DXE-11U **75-ohm Low Loss Cable**

DXE-214 **50-ohm Cable**



Silver Plated Copper Braid (96% and 97%)

Silver Plated Braids and Center Conductor

- Superior Shielding Dual Silver Plated Copper Braids - 96% and 97% coverage
- .425 Type II-A jacket is non-contaminating and UV-resistant, suitable for outdoor use and direct-bury
- Solid Polyethylene Dielectric
- Ideal for Rotator Loops
- For use with solder type connectors

Attenuation /100 ft.	Power Rating	Efficiency Approximate
0.35 dB @ 5 MHz	4.9 kW	92 %
0.5 dB @ 10 MHz	3.4 kW	89 %
1.3 dB @ 30 MHz	2.0 kW	74 %
1.5 dB @ 50 MHz	1.5 kW	71 %
2.2 dB @ 100 MHz	0.9 kW	60 %

Recommended for Rotator Loops
Velocity Factor: 66% (0.66)
Minimum Bend Radius: 5"

DXE-214 **50-ohm Cable**

DX Engineering Coaxial Cable Reference Chart

LMR®-195 50-ohm Cable	
- Indoor/Outdoor - Peak Power 2.5 kW - Black PE Jacket (.195 DIA) - Solid Copper center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
2.0 dB @ 30 MHz	890 W
2.6 dB @ 50 MHz	680 W
4.4 dB @ 150 MHz	390 W
7.8 dB @ 450 MHz	220 W
NOT Recommended for Rotator Loops	
Velocity Factor: 80% (0.80)	
Min Bend Radius: 0.5" fixed 2" repeated	
LMR®-195 50-ohm Cable	

LMR®-240 50-ohm Cable	
- Indoor/Outdoor - Peak Power 5.66 kW - Black TPE Jacket (.240 DIA) - Solid Copper center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
1.3 dB @ 30 MHz	1.49 kW
1.7 dB @ 50 MHz	1.15 kW
3.0 dB @ 150 MHz	660 W
5.3 dB @ 450 MHz	380 W
NOT Recommended for Rotator Loops	
Velocity Factor: 83% (0.83)	
Min Bend Radius: 0.75" fixed 2.5" repeated	
LMR®-240 50-ohm Cable	

LMR®-240 Ultraflex 50-ohm Cable	
- Indoor/Outdoor - Peak Power 5.6 kW - Black TPE Jacket (.240 DIA) - Stranded (7) Copper center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
1.6 dB @ 30 MHz	1.24 kW
2.1 dB @ 50 MHz	960 W
3.6 dB @ 150 MHz	550 W
6.3 dB @ 450 MHz	310 W
NOT Recommended for Rotator Loops	
Velocity Factor: 80% (0.80)	
Min Bend Radius: 0.75" fixed 2.5" repeated	
LMR®-240 Ultraflex 50-ohm Cable	

LMR®-400 & LMR®-400 DB 50-ohm Cable	
- Indoor/Outdoor - Peak Power 16 kW - Black PE Jacket (DB = Watertight) (.405 DIA) - Solid Bare Copper Coated Aluminum center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
0.7 dB @ 30 MHz	3.3 kW
0.9 dB @ 50 MHz	2.57 kW
1.5 dB @ 150 MHz	1.47 kW
2.7 dB @ 450 MHz	830 W
NOT Recommended for Rotator Loops	
Velocity Factor: 84% (0.84)	
Min Bend Radius: 1" fixed 4" repeated	
LMR®-400 and LMR®-400 DB 50-ohm Cable	

LMR®-400 Ultraflex 50-ohm Cable	
- Indoor/Outdoor - Ideal for Jumpers - Good flexibility - Peak Power 16 kW - Black TPE Jacket (.405 DIA) - Stranded (7) Copper center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation /100 ft.	Power Rating
0.8 dB @ 30 MHz	2.77 kW
1.1 dB @ 50 MHz	2.14 kW
1.8 dB @ 150 MHz	1.22 kW
3.3 dB @ 450 MHz	690 W
NOT Recommended for Rotator Loops	
Velocity Factor: 83% (0.83)	
Min Bend Radius: 1" fixed 4" repeated	
LMR®-400 Ultraflex 50-ohm Cable	

LMR®-600 and LMR®-600DB 50-ohm Cable	
- Indoor/Outdoor - Peak Power 40 kW - Black PE Jacket (DB = watertight) - Jacket .590 DIA - Solid Bare Copper Coated Aluminum center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
0.4 dB @ 30 MHz	5.51 kW
0.5 dB @ 50 MHz	4.24 kW
1.0 dB @ 150 MHz	2.41 kW
1.7 dB @ 450 MHz	1.35 kW
NOT Recommended for Rotator Loops	
Velocity Factor: 85% (0.85)	
Min Bend Radius: 1.5" fixed 6" repeated	
LMR®-600 and LMR®-600DB 50-ohm Cable	

LMR®-600 Ultraflex 50-ohm Cable	
- Indoor/Outdoor - Ideal for Jumpers - Good flexibility - Peak Power 40 kW - Black TPE Jacket (.590 DIA) - Stranded (7) Copper center conductor - Foam Polyethylene Dielectric - Aluminum Tape outer conductor - Tinned Copper Braid	
Attenuation/ 100 ft.	Power Rating
0.5 dB @ 30 MHz	4.9 kW
0.7 dB @ 50 MHz	3.53 kW
1.2 dB @ 150 MHz	2 kW
2.1 dB @ 450 MHz	1.12 kW
NOT Recommended for Rotator Loops	
Velocity Factor: 87 % (0.87)	
Min Bend Radius: 1.5" fixed 6" repeated	
LMR®-600 Ultraflex 50-ohm Cable	

