



DX Engineering Coaxial Cable Reference Chart

DXE-400MAX Low-Loss Cable
50 ohm

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 %
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 %

Velocity Factor: 84% (0.84)

Minimum Bend Radius:	6" Repeated Bends 2.5" Fixed Install
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DXE-400MAX Low-Loss Cable

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

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 %
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 %

Velocity Factor: 81% (0.81)

Minimum Bend Radius:	6" Repeated Bends 2.5" Fixed Install
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DXE-8U Low-Loss
Foam Dielectric Cable

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

Gas-Injected Foam Won't Absorb Water

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

Attenuation/ 100 ft.	Power Rating	Efficiency %
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 %

Velocity Factor: 78% (0.78)

Minimum Bend Radius: 2.4"

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

DXE-213U
50 ohm Cable

- 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 %
0.4 dB @ 5 MHz	4.9 kW	90 %
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 %

Velocity Factor: 66% (0.66)

Minimum Bend Radius: 5"
Recommended for Rotator Loops

DXE-213U
50 ohm Cable

DXE-58AU
50 ohm Cable

- 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

- 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 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

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

Velocity Factor: 82% (0.82)

Minimum Bend Radius: 4"

DXE-11U
75 ohm Low Loss Cable

DXE-214
50 ohm Cable

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 %
0.4 dB @ 5 MHz	4.9 kW	90 %
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 %
1.9 dB @ 100 MHz	0.9 kW	57 %

Velocity Factor: 66% (0.66)

Minimum Bend Radius: 5"

DXE-214
50 ohm Cable

DX Engineering Coaxial Cable Reference Chart

LMR-240 50 ohm Cable	
<ul style="list-style-type: none"> 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
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	
<ul style="list-style-type: none"> 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
Velocity Factor: 80% (0.80)	
Min Bend Radius: 0.75" fixed 2.5" repeated	
LMR-240 Ultraflex 50 ohm Cable	

LMR-400 & 400 DB 50 ohm Cable	
<ul style="list-style-type: none"> 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
Velocity Factor: 84% (0.84)	
Min Bend Radius: 1" fixed 4" repeated	
LMR-400 and 400 DB 50 ohm Cable	

LMR-400 Ultraflex 50 ohm Cable	
<ul style="list-style-type: none"> 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
Velocity Factor: 83% (0.83)	
Min Bend Radius: 1" fixed 4" repeated	
LMR-400 Ultraflex 50 ohm Cable	

LMR-600 and 600DB 50 ohm Cable	
<ul style="list-style-type: none"> Indoor/Outdoor Peak Power 40 kW Black PE Jacket (DB = watertight) (.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
Velocity Factor: 85% (0.85)	
Min Bend Radius: 1.5" fixed 6" repeated	
LMR-600 and 600DB 50 ohm Cable	

LMR-600 Ultraflex 50 ohm Cable	
<ul style="list-style-type: none"> 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
Velocity Factor: 87% (0.87)	
Min Bend Radius: 1.5" fixed 6" repeated	
LMR-600 Ultraflex 50 ohm Cable	

