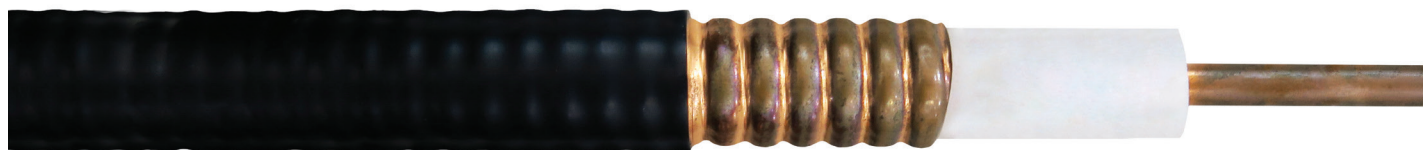


Coaxial Cable .500" Corrugated Low Loss Broadband Communication Cable (Cut to Length) 56MM-E500-1

56MM-E500-1 is a high quality .500" (half-inch) 50 Ohm corrugated, low loss coaxial feeder cable for cellular antenna and radio systems. Suited for use with Matchmaster's outdoor and indoor cellular and communications antennas where cable runs are longer than 30m from the antenna to the receiver or between devices.

Features and Benefits

- » .500" (half-inch) corrugated, low loss feeder cable for cellular and communications systems - cut to length in 1m increments up to a maximum of 60m
- » Impedance: $50 \pm 1 \Omega$
- » The velocity of propagation - 88%
- » Cut and terminate to the exact lengths required
- » Frequency range 5-3000MHz
- » Screening attenuation >120dB



**Coaxial Cable .500" Corrugated Low Loss
Broadband Communication Cable
(Cut to Length)
56MM-E500-1**



For the Best

56MM-E500-1 Specifications

Construction		
Inner Conductor	Material	Copper clad aluminum wire
	Diameter, mm	4.80 ± 0.05
Insulation	Material	Physically foamed PE
	Diameter, mm	12.20 ± 0.30
Outer Conductor	Material	Ring corrugated copper
	Diameter, mm	13.80 ± 0.20
Jacket	Material	PE or fire-retardant PE
	Diameter, mm	15.80 ± 0.20
Mechanical Properties		
Bending Radius	Single	70mm
	Repeated	125mm
	Moving	350mm
Pulling Strength		1130N
Crush Resistance		2.0kg/mm
Recommended temperature	Store	-70~+85°C
	Installation	-40~+60°C
	Operation	-55~+85°C
Attenuation and Average Power		
Frequency MHz	Nom. attenuation @20 °C, dB/100m	Power rate @20 °C, kW
10	0.67	11.30
100	2.17	13.49
200	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.85	1.10
1000	7.28	1.04
1500	9.09	0.833
1800	10.10	0.753
2000	10.70	0.710
2300	11.50	0.627
3000	13.40	0.565
Maximum attenuation value shall be 105% of the nominal attenuation value		
Electrical Properties		
Inner conductor DC Resistance		1.60Ω/km
Outer conductor DC Resistance		2.10Ω/km
Impedance		50±1Ω
Capacitance		75.8PF/m
Inductance		0.19QH/m
Propagation Velocity		88%
DC breakdown Voltage		4.0kV
Insulation Resistance		>5×10 ³ M Ω• km
Peak Power		40kW
Screening Attenuation		>>120dB
Cut-off Frequency		8.8 GHz
VSWR		
806-960MHz	≤1.15	
1700-2200MHz	≤1.15	
5-3000MHz	≤1.25	
Weight		
Gross Weight	138.5 kgs	
Net Weight	112.5 kgs	