

LMR400, QD™ 50 Ohm Braided Coaxial Cable, black PE jacket



材料构成--Construction Materials		
Jacket Color	Black	
Jacket Material	Non-halogenated PE	
Braid Material	Tinned copper	
Shield Tape Material	Aluminum	
Dielectric Material	Foam PE	
Inner Conductor Material	Copper-clad aluminum wire	
标注尺寸--Dimensions		
Diameter Over Dielectric	7.240 mm 0.285 in	
Diameter Over Jacket	10.290 mm 0.405 in	
Inner Conductor OD	2.740 mm 0.108 in	
Nominal Size	0.400 in	
Outer Conductor OD	8.080 mm 0.318 in	
电气特性--Electrical Specifications		
Cable Impedance	50 ohm	
Capacitance	78 pF/m 24 pF/ft	
dc Resistance, Inner Conductor	4.490 ohms/km 1.370 ohms/kft	
dc Resistance, Outer Conductor	5.610 ohms/km 1.710 ohms/kft	
dc Test Voltage	3000 V	
Jacket Spark Test Voltage (rms)	8000 V	
Maximum Frequency	16.20 GHz	
Operating Frequency Band	30 – 6000 MHz	
Peak Power	16.0 kW	
Shielding Effectiveness	>90 dB	
Velocity	0.85	
环境参数--Environmental Specifications		
Installation Temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)	
Storage Temperature	-70 °C to +85 °C (-94 °F to +185 °F)	
一般特性--General Specifications		
Cable Type	LMR-400	
Braid Coverage	86% braid	
Brand	QD™	
Packaging Type	Reel	
物理特性--Mechanical Specifications		
Bending Moment	0.7 N-m 0.5 ft lb	
Flat Plate Crush Strength	0.7 kg/mm 40.0 lb/in	
Minimum Bend Radius, Single Bend	25.40 mm 1.00 in	
Tensile Strength	73 kg 160 lb	
频响特性--Performance		
Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	2.49	0.76
50 MHz	3.18	0.97
150 MHz	4.92	1.5
220 MHz	6.23	1.9
450 MHz	8.86	2.7
900 MHz	12.8	3.9
1500 MHz	16.7	5.1
1800 MHz	18.4	5.6
2000 MHz	19.4	5.9
2400 MHz	21.65	6.6
2500 MHz	22	6.7
3000 MHz	24.6	7.5
4000 MHz	28.87	8.8
4500 MHz	30.84	9.4
5000 MHz	32.81	10
5200 MHz	33.46	10.2
5500 MHz	34.78	10.6
5800 MHz	35.76	10.9
6000 MHz	36.42	11.1
认证证书--Regulatory Compliance/Certifications		
Agency	Classification	
RoHS 2002/95/EC	Compliant	