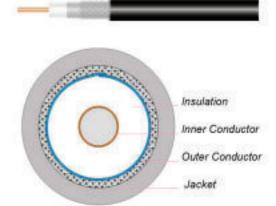
Cable, CABLE, COAX, LOW LOSS BRAIDED RG8U, LMR-400, TYPE .400 DIA. Flexible Black PVC Jacket





#### **CABLE DESCRIPTION**

Inner Conductor	
Min.Break Strength	
Insulation	Foam P.E.
Insulation Dia	7.24 +/-0.10mm
Color	Neutral
Centricity	≥ 90%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥ 115 %
	7.39 +/-0.10mm
Outer Conductor	TC Wire Braid
Dia	8.13 +/-0.10mm
Coverage	
Jacket	PVC
Outer Dia	
Color	Black
Adhesion	150 to 400N @ 50mm

## MECHANICAL CHARACTERISTICS

Min.Bending Radius:	
Installation	25.4 mm
Repeated	101 mm
Max.Pulling Tension	
Rated Temperature	
Installation/operating temperature	-40~+75 °C
Storage temperature	-40~+75 °C

### ELECTRICAL CHARACTERISTICS

Characteristic Impedance	50 ± 2 ohm
Capacitance	
Velocity ratio	
DCR: Inner Conductor	4.8 ohm/km
DCR: Outer Conductor	5.9 ohm/km
Voltage withstand	
Jacket Spark	
Insulation resistance	>5,000 km
Peak Power	
Shielding Effectiveness	>90 dB
VSWR 30-1000 MHz	
1001-2500 MHz	<1.20
2501-5800 MHz	<1.25

### ATTENUATION (AT 20°C)

MHz	Power kw	dB/100ft
30	3.33	0.70
50	2.57	0.90
150	1.47	1.50
220	1.20	1.90
450	0.83	2.70
900	0.58	3.90
1500	0.44	5.10
1800	0.40	5.70
2000	0.37	6.00
2500	0.33	6.80
5800	0.21	10.80
	A designed over the data of the	attend to 100 black

Maximum attenuation is 10% higher.

# **ROHS 3.0 GUIDELINE**

Cadmium content	(Cd)	< 0.01% (100ppm)	
Lead content	(Pb)	<0.1% (1000ppm)	
Mercury content	(Hg)	<0.1% (1000ppm)	
Chromium (VI) co	ntent	<0.1% (1000ppm)	
Polybrominated B	iphenyls (PBB)	<0.1% (1000ppm)	
Polybrominated Diphenyl Ether(PBDE)<0.1% (1000ppm)			
Diethyl hexyl phtha	alate (DEHP)	<0.1% (1000ppm)	
Butyl phenyl phthalate (BBP) <0.1% (1000ppm)			
Dibutyl phthalate (	DBP)	<0.1% (1000ppm)	
Diisobutyl phthala	te (DIBP)	><0.1% (1000ppm)	