

RSC-240

Rosen Cable 50 Ohm Braided Coaxial Cable, variable , black strengthening PVC jacket.



CHARACTERISTICS:

Construction Materials

Jacket Color	Black
Jacket Material	Strengthening PVC
Braid Material	Tinned copper
Shield Tape Material	Aluminium
Dielectric Material	Foam PE
Inner Conductor Material	Copper

Dimensions

Cable Weight	0.03 kg/m
Diameter Over Dielectric	3.81 mm
Diameter Over Jacket	6.10 mm
Inner Conductor OD	1.42 mm
Outer Conductor OD	4.52 mm

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	79.8 pF/m
dc Resistance, Inner Conductor	10.83 ohm/km
dc Resistance, Outer Conductor	12.76 ohm/km
Jacket Spark Test Voltage (RMS)	5000 V
Dc Test Voltage	1500 V
Maximum Frequency	31.00 GHz
Operating Frequency Band	30 – 6000 MHz
Velocity of Propagation	85%

Environmental Specifications

Installation Temperature	-35 °C to 85 °C
Operating Temperature	-35 °C to 85 °C
Storage Temperature	-70 °C to 85 °C

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General Specifications

Cable Type	RSC-240
Braid Coverage	93%
Brand	ROSEN

Mechanical Specifications

Bending Moment	0.3 N-m
Flat Plate Crush Strength	0.4 kg/mm
Minimum Bend Radius	19.10 mm
Single Bend Tensile Strength	36 kg

Electrical Performance

Frequency	Attenuation (dB/100 m)
50 MHz	5,85
150 MHz	7,87
300 MHz	11,23
450 MHz	17,38
960 MHz	25,75
1500 MHz	32,50
1800 MHz	37,23
2000 MHz	41,35
2500 MHz	42,33
3000 MHz	45,05
4000 MHz	53,19
4500 MHz	57,13
5000 MHz	61,05
5200 MHz	62,56
5500 MHz	64,68
5800 MHz	66,80
6000 MHz	68,24

Regulatory Compliance/Certifications

