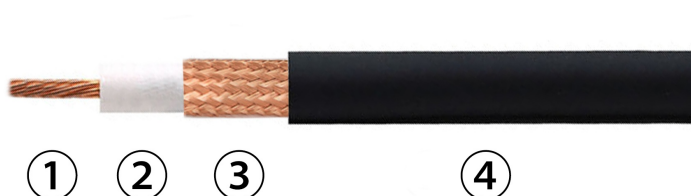


Economical Low Loss Coaxial Cable, RCMV509S DC-3GHz, Ø12.2mm, E-Grade, Super Soft



Dimensions(mm) Tolerance±1%



Electrical & Environmental

Frequency Range	DC-3GHz
Impedance	50 Ohms
CW power@25°C	251W @3GHz
Attenuation@Length 1m	0.52 dB Max @3GHz
Capacitance	100 pF/m
VOP	66%
Voltage	1500V@DC
OT	-20~+80°C

Product Information

Product Number	RCMV509S, E-Grade
Product Type	Economical Low Loss Coaxial Cable
Bend Radius (Inst.)	N/A
Bend Radius (Rep.)	120.00mm

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCMV509S-10M	10 m	Sealed bag

RCMV509S Structure Characteristics

Structure	Material	Diameter
1.Center Conductor	Stranded Bare Copper Wire	2.85 mm
2.Dielectric	PE	9.00 mm
3.Outer Shield	Copper Wire Braiding	11.02 mm
4.Jacket	Black PVC	12.20 mm
Frequency(MHz)	ATTEN(dB/100M)	Avg Power(W)
50	4.72	2763
100	6.85	1904
200	10.03	1300
300	12.61	1034
400	14.88	876
500	16.95	769
800	22.43	581
1000	25.71	507
1500	33.12	394
2000	39.83	327
2450	45.48	287
3000	52.04	251
$\text{dB}/100\text{M}=\text{K1} \times \sqrt{\text{FMHz}} + \text{K2} \times \text{FMHz}$		
$\text{K1}=0.625507, \text{K2}=0.005927, \text{P3}=13039$		