

Economical Low Loss Coaxial Cable, RCM195S DC-8GHz, Ø4.95mm, E-Grade, Super Soft



Dimensions(mm) Tolerance±1%



Electrical & Environmental

Frequency Range	DC-8GHz
Impedance	50 Ohms
CW power@25°C	38W @8GHz, 65W @3GHz
Attenuation@Length 1m	1.41 dB Max @8GHz
Capacitance	83.3 pF/m
VOP	75%
SE	90dB Min
Voltage	1000V@DC
OT	-40~+85°C

Product Information

Product Number	RCM195S, E-Grade
Product Type	Economical Low Loss Coaxial Cable
Bend Radius (Inst.)	12.70mm
Bend Radius (Rep.)	50.80mm
Net Weight	About 30.0g per meter

RFTOP P/N and Packaging

RFTOP P/N	Length	Packaging
RCM195S-10M	10 m	Sealed bag

RCM195S Structure Characteristics

Structure	Material	Diameter
1.Center Conductor	Stranded Bare Copper Wire	0.97 mm
2.Dielectric	Foam PE	2.79 mm
3.Inner shield	Aluminum Foil Longitudinal Wrapping	mm
4.Outer Shield	Tin-plated Copper Wire Braiding	3.53 mm
5.Jacket	Black TPE	4.95 mm
Frequency(MHz)	ATTEN(dB/100M)	Avg Power(W)
50	9.89	541
100	14.05	381
200	20.00	268
500	32.02	167
800	40.88	131
1000	45.93	116
2000	66.25	81
2450	73.85	72
3000	82.35	65
4000	96.27	56
5000	108.79	49
6000	120.33	44
$\text{dB}/100\text{M} = K1 \times \sqrt{\text{FMHz}} + K2 \times \text{FMHz}$		
$K1=1.383, K2=0.0022, P3=5350.5$		