

50 Ohm RF Coaxial Cables

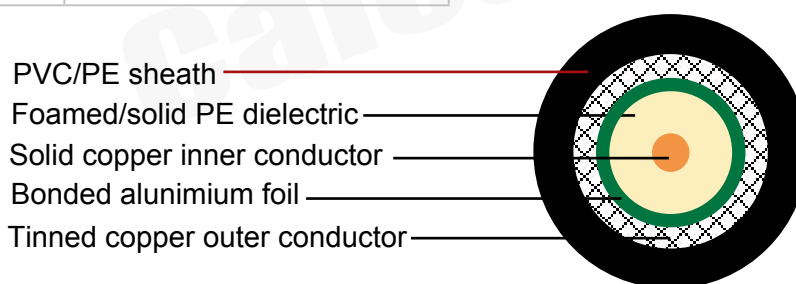
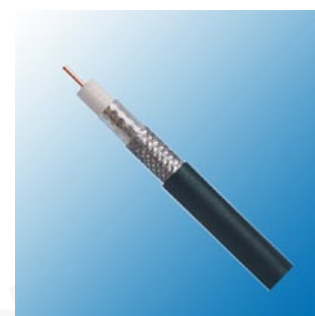
8D-FB

Construction

Inner conductor	Bare copper/Copper clad aluminium	Φ2.8 mm
Dielectric	Foam /Solid PE	Φ7.8±0.02 mm
Shield	Bonded aluminium foil	Φ8.0 mm
Outer conductor	Tinned copper braid(16x9x0.15mm)	Φ8.6 mm
Shield coverage		85%
Sheath	PVC/PE	Φ10.6 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	82 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	2.4(4.4) Ohm/Km
Outer conductor resistance	9.4 Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	52 mm
Screening effectiveness	≥90 dB
Return loss	≥20 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	4.1	1.2
150	5.1	1.6
280	7.1	2.2
350	8.1	2.5
400	8.7	2.7
800	12.9	3.9
900	13.8	4.2
1200	16.3	5.0
1500	18.6	5.7
1800	20.8	6.3
1900	21.5	6.6
2000	22.1	6.7
2200	23.5	7.2
2500	25.4	7.7