

50 Ohm RF Coaxial Cables

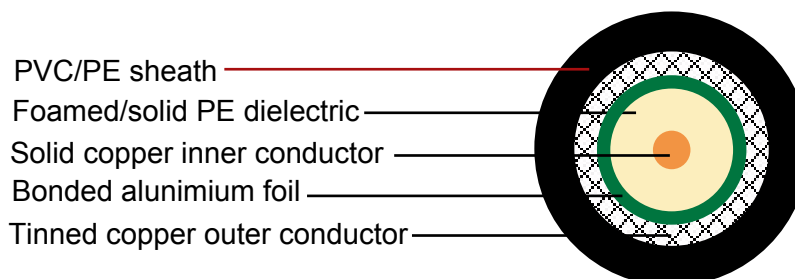
3D-FB

Construction

Inner conductor	Bare copper/Copper clad steel	Φ1.07 mm
Dielectric	Foam /Solid PE	Φ3.0±0.02 mm
Shield	Bonded aluminium foil	Φ3.2 mm
Outer conductor	Tinned copper braid	Φ3.6 mm
Shield coverage		85%
Sheath	PVC/PE	Φ5.4 mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	82 pF/m
Velocity of propagation	81%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	19.2(65.2) Ohm/Km
Outer conductor resistance	16.3 Ohm/Km
Operating temperature range	-40°C - +85 °C
Min.bending radius	27 mm



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
100	10.4	3.2
150	13.0	4.0
280	17.5	5.3
350	19.5	5.9
400	21.0	6.4
800	30.0	9.1
900	31.6	9.6
1200	37.0	11.3
1500	41.5	12.6
1800	45.6	13.9
1900	46.9	14.3
2000	48.2	14.7
2200	50.6	15.4
2500	54.1	16.5

