

12D-FB BC TC PE

Coaxial Cable 12D-FB Low Loss RF Cable, Solid BC Conductor, 81% TC Braiding, AL Foil Shield

Product Quality

Our high quality 12D-FB Low Loss RF Coax Cable consists of a 4.40 mm solid Bare Copper (BC) inner conductor. It is wrapped in a Foam PE insulation. This Coaxial Cable comes with 81% Tinned Copper (TC) braid shielding and Bonded AL Foil. The cable is covered with a PE jacket for outdoor use.

Electrical & Mechanical Characteristics

Construction Specifications

Inner Conductor	4.40 mm, Bare Copper (BC)
Dielectric	12.40 mm, Foam PE
Outer Conductor	Double AL-Foil
Overall Braid	13.20 mm, Braid Tinned Copper (TC) 86%
Jacket	15.60 mm, PE

Electrical Specifications

Capacitance	82 pF/m
Impedance	50 ohms
Velocity of Propagation	81 %
Inner Conductor DC Resistance	1.2 Ohm/km
Outer Conductor DC Resistance	4.5 Ohm/km
Voltage Withstand	3000 Volts DC
Jacket Spark	8000 Volts RMS
Shielding Effectiveness	≥ 80 dB
Return Loss	≥ 20.8 dB

Mechanical Specifications

Bend Radius: installation	78 mm
Bend Radius: repeated	270 mm
Tensile Strength	170 kg

Environmental Specifications

Operating Temperature Range	-40/+85 °C
Installation Temperature Range	-30/+85 °C
Storage Temperature Range	-60/+65 °C



Attenuation

Frequency (MHz)	150	280	350	400	800	900	1200	1500	1900	2000	2500	3000
Attenuation dB/100 m	3.4	4.7	5.3	5.7	8.5	9.5	10.8	12.3	14.2	14.6	16.6	18.9