

5D-FB BC TC PE

Coaxial Cable 5D-FB Low Loss RF Cable, Solid BC Conductor, 86% TC Braiding, AL Foil Shield

Product Quality

Our high quality 5D-FB Low Loss RF Coax Cable consists of a 1.80 mm solid Bare Copper (BC) inner conductor. It is wrapped in a Foam PE insulation. This Coaxial Cable comes with 86% 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	1.80 mm, Bare Copper (BC)
Dielectric	4.95 mm, Foam PE
Outer Conductor	Double AL-Foil
Overall Braid	5.70 mm, Braid Tinned Copper (TC) 86%
Jacket	7.50 mm, PE

Electrical Specifications

Capacitance	80 pF/m
Impedance	50 ohms
Velocity of Propagation	83 %
Voltage Withstand	2500 Volts DC
Jacket Spark	3000 Volts RMS
Shielding Effectiveness	≥ 80 dB
Return Loss	≥ 20.8 dB

Mechanical Specifications

Bend Radius: installation	25 mm
Bend Radius: repeated	96 mm
Tensile Strength	55 kg

Environmental Specifications

Operating Temperature Range	-40/+70 °C
Installation Temperature Range	-30/+60 °C
Storage Temperature Range	-60/+75 °C



Attenuation

Frequency (MHz)	150	280	350	400	800	900	1200	1500	1900	2000	2400	3000
Attenuation dB/100 m	7.6	10.7	12.1	12.7	18.6	19,7	23.8	27.0	31.1	32.2	35.6	40.8