

8D-FB BC TC PE

Coaxial Cable 8D-FB Low Loss RF Cable, Solid BC Conductor, 86% TC Braiding, AL Foil Shield

Product Quality

Our high quality 8D-FB Low Loss RF Coax Cable consists of a 2.60 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	2.80 mm, Bare Copper (BC)
Dielectric	7.80 mm, Foam PE
Outer Conductor	Double AL-Foil
Overall Braid	8.60 mm, Braid Tinned Copper (TC) 86%
Jacket	11.10 mm, PE

Electrical Specifications

Capacitance	84 pF/m
Impedance	50 ohms
Velocity of Propagation	83%
Voltage Withstand	2500 Volts DC
Jacket Spark	4000 Volts RMS
Shielding Effectiveness	≥ 80 dB
Return Loss	≥ 20.8 dB

Mechanical Specifications

Bend Radius: installation	55 mm
Tensile Strength	86 kg

Environmental Specifications

Operating Temperature Range	-40/+80 °C
Installation Temperature Range	-30/+80 °C
Storage Temperature Range	-60/+80 °C



Attenuation

Frequency (MHz)	150	280	350	400	800	900	1200	1500	1900	2000	2400	3000
Attenuation dB/100 m	5.0	7.1	8.2	8.4	12.1	12,8	16.3	18.4	21.4	22.3	24.6	28.2