

3D-FB Outer Conductor Braided Cable

3D-FB series small braided cable, suitable for short-distance RF connections.

IMPEDANCE	OUTER DIAMETER
50±2 Ω	**5 mm**
MAX. FREQUENCY	
3000 MHz	

3D-FB | 50Ω | 50Ω D-FB Series Braided Coaxial Cable

Custom lengths, connectors and pre-assembled jumpers are available. Send us your specification for a quotation.

TECHNICAL DATA

Technical parameters

Source: 2026 Technical Selection Manual

STRUCTURE

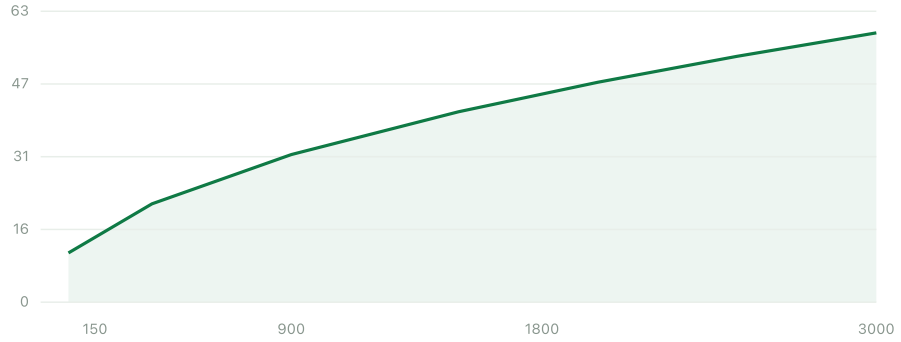
Inner conductor	bare copper wire 1.02 mm insulation foam PE 2.95 mm
Outer conductor	tinned copper braid 3.62 mm
Jacket	PVC 5.00 mm

MECHANICAL & ENVIRONMENT

Jacket material	PVC / PE

Weight	≈ 8 kg/km
Installation temperature	≥ −20 °C
Standards	IEC 61196-1, MIL-C-17 (equivalent to MIL standard), GB/T 14864
Applications	walkie-talkie, repeater, indoor distribution and equipment-room jumper

ATTENUATION & POWER



Attenuation in dB/100 m at 20 °C, nominal values (±5%).

MHz	dB/100m	MHz	dB/100m
100	10.63	2000	47.52
400	21.25	2500	53.13
900	31.88	3000	58.2
1500	41.15		

Product description

The 3D-FB Series 50 Ohm Braiding Coaxial Cable is an innovative solution designed for high-frequency applications that demand exceptional signal transmission without the bulk. This cable features a unique 3D braiding technique that provides enhanced flexibility and a lighter weight compared to traditional coaxial cables. The 3D-FB's advanced dielectric material ensures consistent impedance and red