

4.5m 3D-FB low-loss coaxial cable

Overview

4.5m (15ft) 3D-FB low-loss coaxial cable with N-Male connectors on both ends. It is compatible with all the 50 ohm amplifiers and used to transmit radio frequency (RF) signal. Its working frequency range: 0—6000MHz.



Key Features

- Low loss
- Light, flexible and weatherproof
- Low transmission delay
- Minimum attenuation



Specification

Cable Description	
Inner Conductor	Copper clad steel
Conduct Dia.	1.02+/-0.02mm
Insulation	Foam Polyethylene FPE
Dia.	2.95+/-0.1mm
Color	White
Centricity	≥85%
Adhesion	10 to 100N@25mm
Shielding	AL/P-Foil(Bonded)
Foil overlap	≥120%
Outer conductor	TC Wire Braid
Coverage	90+/-3%
Jacket	polyvinyl chloride(PVC)
Outer Dia.	4.95 +/-0.15mm



Mechanical Characteristics

Minimum Bend Radius:

Installation	12.7mm
Repeated	50.8mm

Max. Pulling Tension 191

Crush resistance of cable(load of 700N) <1%

Rated temperature

Storage/operating temperature(°C)	-25 ~ +70°C
Outdoor installation	-25 ~ +70°C

Electrical Characteristics

Characteristics Impedance 50±2 ohm

Capacitance 85±2PF/M

Velocity ratio 81%

Delay 4.17ns/m

Work frequency 1~3000MHz

VSWR 1-3000MHz <1.40

Attenuation Constant (at 20°C) dB/100m

400MHz	21.56
900MHz	32.60
1500MHz	42.40
2500MHz	55.4
3000MHz	61.3