

SDY-50-15-3 Air Dielectric Coaxial Cable (5/8")

Air dielectric coaxial cable with ultra-low loss, suitable for mobile communication base station feeder systems.

OUTER DIAMETER	MAX. FREQUENCY
19 mm	**8.5 GHz**

5/8" | 50Ω | 50Ω Air Dielectric Corrugated Copper Tube 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

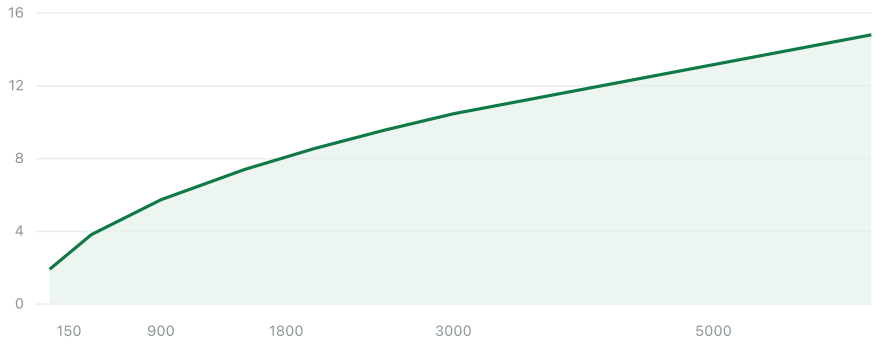
Inner conductor	smooth copper tube 6.1 mm insulation (PE tape) 14.1 14.1 mm
Outer conductor	helical corrugated 16.5 mm
Jacket	19.0 19.0 mm

ELECTRICAL

Peak power	kW 38 cutoff frequency 8.5 GHz

Velocity of propagation	0.93

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
100	1.94	2000	8.67
400	3.88	2500	9.69
900	5.82	3000	10.62
1500	7.51	6000	15.02

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