

SDY-50-37-3 Air Dielectric Coaxial Cable (1-1/4")

Large diameter air dielectric cable for long-distance low-loss transmission in large communication systems.

OUTER DIAMETER	MAX. FREQUENCY
45 mm	**3.8 GHz**

1-1/4" | 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

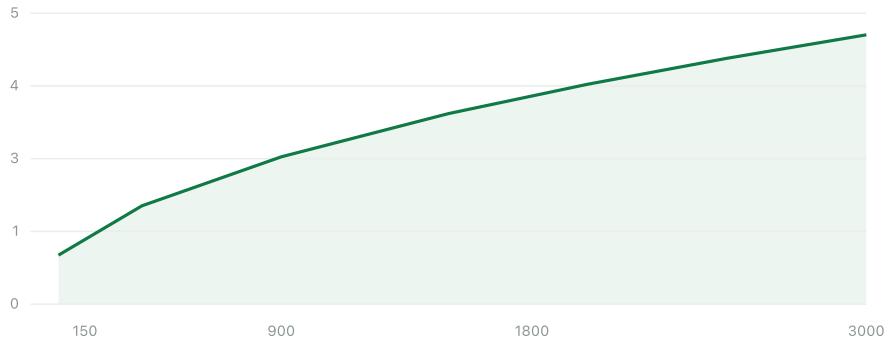
Inner conductor	helical corrugated 16.5 mm insulation (PE tape) 36.0 36.0 mm
Outer conductor	helical corrugated 41.0 mm
Jacket	45.0 45.0 mm

ELECTRICAL

Peak power	kW 200 cutoff frequency 3.8 GHz

Velocity of propagation	0.95

ATTENUATION & POWER



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

MHz	dB/100m	MHz	dB/100m
100	0.85	2000	3.82
400	1.71	2500	4.27
900	2.56	3000	4.68
1500	3.31		

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