

HLCAY(Z)-50-12 Leaky Feeder Cable (Coupling, 1/2")

1/2" coupling leaky feeder cable, 50+/-2 ohm, 88% velocity, coupling loss (95%) approx. 80dB at 900MHz, attenuation approx. 7.9dB/100m at 900MHz, min bending radius 50mm, for uniform RF coverage in tunnels, subways, mines and corridors.

IMPEDANCE	OUTER DIAMETER
50 ± 2 Ω	**15.8 mm**

1/2" | 50Ω | 50Ω Leakage Feeder 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	CCA wire (CCA) 4.8 mm
Dielectric	foam PE 12.2 mm
Outer conductor	copper foil 13.2 mm
Jacket	black PE / black LSZH 15.8 mm

ELECTRICAL

Characteristic impedance	50 ± 2 Ω
Velocity of propagation	88 % capacitance 76 pF/m
Insulation resistance	> 5000 MΩ·km insulation voltage 6000 V jacket spark test voltage 8000 V

MECHANICAL & ENVIRONMENT

Product description

Introducing the 1/2-Inch Leakage Feeder Cable, a versatile and innovative solution for in-building wireless communication systems. This specialized cable is designed to enhance signal coverage in areas where traditional antennas may fall short, offering a seamless integration with minimal visual impact.