

# 2-Meter RF Cable with 2 x N-Male Connectors

Data Sheet | SD.CA-RF02-LS-00



The SD.CA-RF02-LS-00 is a high-performance, flexible, low-loss RF cable designed for reliable antenna feeder connections. It is specifically intended for use as a jumper between external antennas and Altai connectorized access points, including models such as the A8n(ac) series, AX600-X, A660 series, and A2 series. Its low attenuation ensures efficient signal transmission and optimal Tx/Rx performance for the AP. The cable jacket meets fire-retardant and Low Smoke Zero Halogen (LSZH) standards, enhancing safety in compliance with fire protection requirements, especially for confined-space environments.



## Specifications

Structure	
Cable Type	50-Ohm Braided Coaxial Cable with N-Male Connectors and LSZH Jacket
Cable Diameter	10.1 ± 0.3 mm
Cable Length	2 m
Jacket Material	RTK400 FRNC (HCAFBYZ-50-7), Fire Retardant, Low Smoke Zero Halogen
Jacket Color	Black
Connector Type	N-Male to N-Male
Inner Conductor Material	Copper-Clad Aluminium Wire
Inner Conductor Diameter	2.74 ± 0.02 mm
Dielectric Material	Physical Foam Polyethylene
Dielectric Diameter	7.24 ± 0.20 mm
Outer Conductor Material	Tinned Copper Braid
Outer Conductor Diameter	8.00 ± 0.20 mm
Electrical Specifications	
Impedance	50 Ω
Frequency Range	DC ~ 6.0 GHz
Velocity	85 %
Capacitance	77 pF/m
Peak Power Rating	18.89 kW
Dielectric Withstand Voltage	1.5 kV
Shielding Effectiveness	≥ 90 dB
VSWR	≤ 1.25 @ DC ~ 3.0 GHz ≤ 1.30 @ 3.0 ~ 6.0 GHz
Attenuation	≤ 0.45 dB @ 1.0 GHz ≤ 0.61 dB @ 2.0 GHz ≤ 0.72 dB @ 3.0 GHz ≤ 0.86 dB @ 4.0 GHz ≤ 0.96 dB @ 5.0 GHz ≤ 1.06 dB @ 6.0 GHz

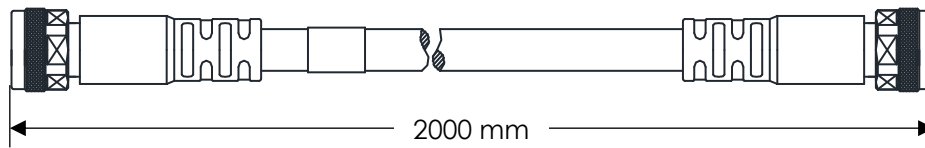
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Environmental and Mechanical Specifications	
Operating Temperature	-45 °C ~ +65 °C
Min. Bending Radius, Single Bend	25 mm
Min. Bending Radius, Repeated Bends	105 mm
Tensile Strength	200 N
Cable Weight	230 g

## Dimensions



Product Ordering Information	
<b>Standard Package</b>	
Part No.: SD.CA-RF02-LS-00	2-Meter RF Cable with 2 x N-Male Connectors <ul style="list-style-type: none"><li>• Moulded &amp; LSZH</li><li>• For A8n(ac) Series, AX600-X, A660 Series and A2 Series AP Models</li></ul>
<b>Contact Us</b>	
• Email: <a href="mailto:sales@altaitechnologies.com">sales@altaitechnologies.com</a> or <a href="mailto:info@altaitechnologies.com">info@altaitechnologies.com</a>	

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The information contained herein is subject to change without prior notice.