

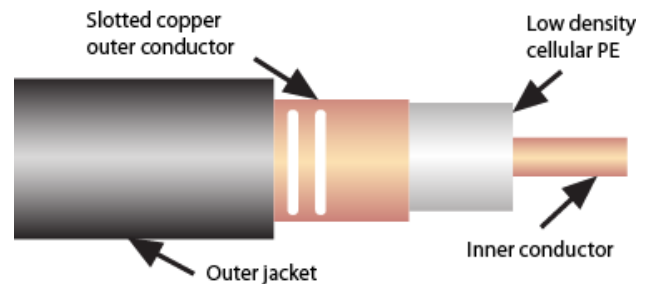
DATASHEET

5 GHz Bulk Radiating Cable RCHB-500M, RCHB-1000M, RCHB-1500M

ProSoft Technology Radiating Cable is specially designed to radiate 802.11a and 802.11n RF signals.

Acting as a long, flexible antenna, the Radiating Cable may be installed along monorail systems, overhead cranes and through tunnels to propagate wireless data signals in situations tough for traditional antenna systems.

Specially tested with ProSoft Technology 802.11 Fast Industrial Hotspots utilizing Fast Roam Technology, the Radiating Cable product line offers reliable and flexible options in challenging RF environments.



Features

- ◆ Special coaxial shield design uses slots to radiate RF signals which acts like a long, flexible antenna to solve challenging RF situations
 - ◆ Supports 5 GHz RF band wireless technologies, optimized for 802.11a and 802.11n wireless LAN systems
 - ◆ Available in 500, 100, and 1500 meter spools
 - ◆ Halogen-free low smoke flame retardant jacket meets most fire code requirements (check with local regulations)
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Specifications

RCHB-xxxxM

| | |
|--------------------------------------|--|
| Size | 0.5 inch |
| Frequency Range | 5 GHz to 6 GHz |
| Jacket | Halogen-free low smoke flame retardant |
| Slot Design | Groups of slots at short intervals |
| Indication of Slot Alignment | Sheath Marking (180°) |
| Impedance | 50 Ohm |
| Typical Attenuation | |
| 5 GHz | 22 dB/100 m (6.86 dB/100 ft) |
| 5.85 GHz | 24 dB/100 m (7.3 dB/100 ft) |
| Velocity Ratio | 88% |
| Capacitance | 76 pF/meter |
| Dielectric Material | Cellular polyethylene |
| Diameter Inner Conductor | 4.8 mm (0.19 in) |
| Diameter Dielectric | 12.4 mm (0.49 in) |
| Diameter over Jacket | 15.5 mm (0.61 in) |
| Minimum Bending Radius (single bend) | 200 mm (7.87 in) |
| Recommended Hanger/Clamp Interval | One per meter (3.3 ft) |
| Storage Temp | -70 to +85°C (-94 to +185°F) |
| Installation Temp | -25 to +60°C (-13 to +140°F) |
| Operating Temp | -40 to +85°C (-40 to +185°F) |

Ordering Information

To order this product, please use the following:

| | |
|------------|--------------------------|
| RCHB-500M | 500 meters cable spool |
| RCHB-1000M | 1,000 meters cable spool |
| RCHB-1500M | 1,500 meters cable spool |



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ProSoft Technology® products are distributed and supported worldwide through a network of over 500 distributors in over 50 countries. Our knowledgeable distributors are familiar with your application needs. For a complete list of distributors, go to our web site at:

www.prosoft-technology.com

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