

FIBREOHM™

RESISTIVE WIRE

Description

* Fibreohm™ resistive wire consists of a family of very fine, lightweight, nonmetallic, conductive, proprietary, flexible yarns insulated with PVC or a PE blend.

* The wires are offered currently with linear resistances between approximately $5 \Omega/\text{in}$ ($2 \Omega/\text{cm}$) $\pm 10\%$ and $500\text{K} \Omega/\text{in}$ ($197 \text{K}\Omega/\text{cm}$) $\pm 20\%$. The various resistances are readily identified by their different insulation colors. Typical OD's are $\sim 1 \text{ mm}$.

* Fibreohm™ wires are easily stripped and can be connected or terminated using fine crimps or butt splice connectors (e.g., 20 or higher AWG), conductive epoxies and tapes, electrolytic or electroless plating, and very low-temperature (indium) solders. Short-term exposure of the fibers is limited to 100°C (212°F).

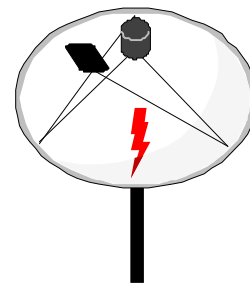
* Fibreohm™ resistive wire is sold typically on spools of 250 to 500-ft lengths.

The information provided herein is for illustrative purposes only and should not be considered a product specification. As always, the customer makes the final determination whether this product is fully suitable for the intended application.

Applications

* For isolating antennas and field probes or for use in other sensor and telemetry systems wherever interactions of EM fields with ordinary conductive wire and cable are a problem. Examples include EM-field meters, probes, and sensors, and medical, patient-connected devices.

* Replace resistors and/or provide graduated resistances in a compact, lightweight, flexible form for impedance matching, etc.



Fibreohm™ resistive wire is made and sold exclusively by Marktek Inc. of Chesterfield, MO, USA.

For more information on Fibreohm™ resistive wire, contact Marktek Inc.

Tel: 314-878-9190

Fax: 314-878-9558

E-mail: info@marktek-inc.com

Website: www.Marktek-Inc.com

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