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WAVE XTM HEAT
SHRINK TUBE ABSORBER
EMI/RFI CONTROL



WAVE XTM HEAT

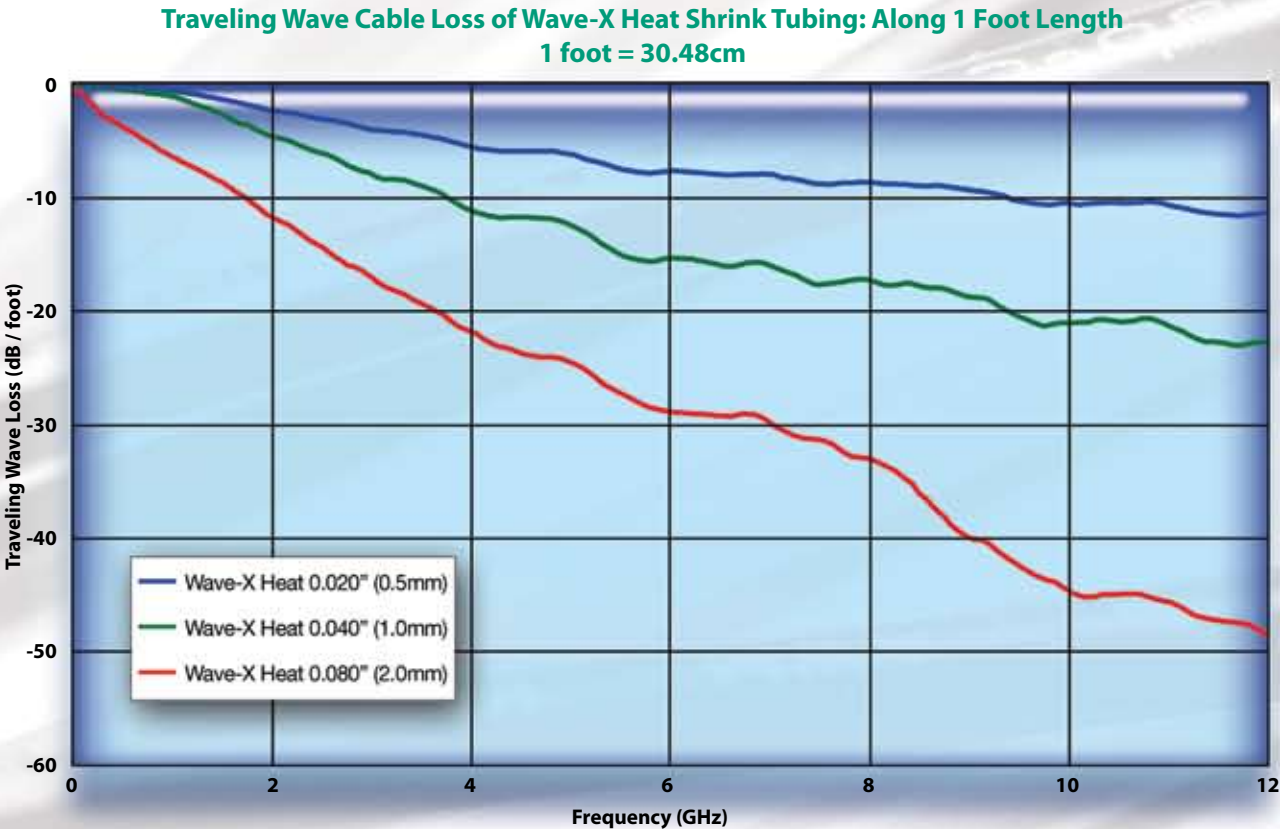
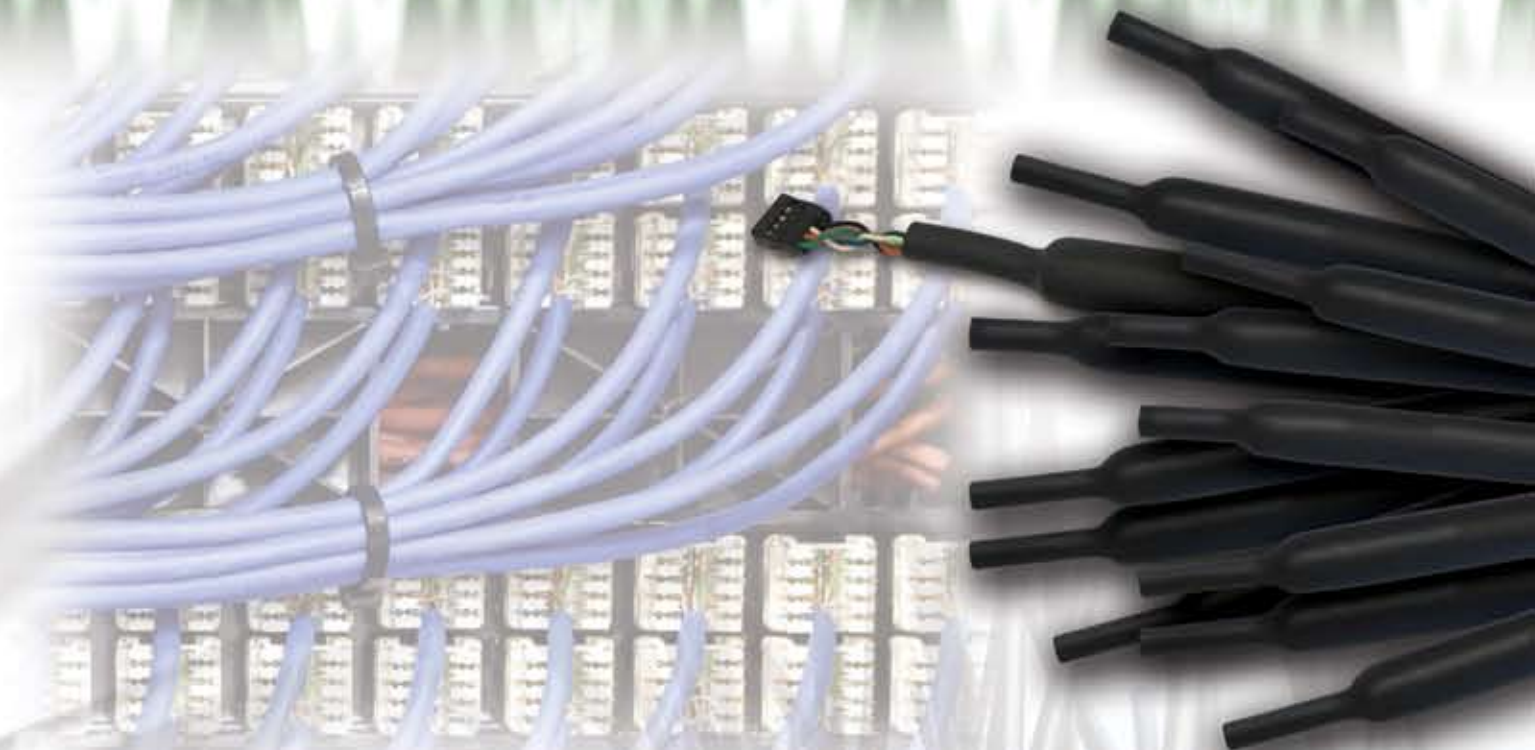
SHRINK TUBE ABSORBER

Wave-X Heat - yet another EMI absorber innovation from ARC Technologies. Wave-X Heat is a heat-shrinkable tube absorber. It's designed to integrate seamlessly with your wire and cable assemblies, neatly sealing junctions and connector interfaces – while absorbing unwanted EMI interference.

EMI interference, both conducted and radiated, is a common problem with wires, cables and interconnects. A traditional solution has been to install bulky, heavy and visually unattractive ferrite cores onto the cable and then over-mold the ferrite. Another crude option is to wrap conductive tape over the offending cable or connection.

Wave-X Heat is simply slipped over the cable or connector, heat is applied and the absorber shrinks to conform.

Wave-X Heat has an inner layer of thermoplastic polymer, blended in exacting ratios with magnetically permeable metal powders. The outer layer is a high dielectric thermoset polymer. When moderate heat is applied the product shrinks to approximately a 3:1 ratio.



Expanded Internal Diameter*	Recovered Internal Diameter	Absorber Wall Thickness
1/8" (3.2mm)	0.040" (1.0mm)	0.020" (0.5mm)
3/16" (4.7mm)	0.060" (1.5mm)	0.020" (0.5mm)
3/8" (9.5mm)	0.125" (3.2mm)	0.040" (1.0mm)
3/4" (19.1mm)	0.250" (6.4mm)	0.080" (2.0mm)
1" (25.4mm)	0.320" (8.1mm)	0.080" (2.0mm)

*Other diameters available on request. Please email sales@arc-tech.com

Test	Test Method	Test Procedure & Condition	Typical 0.040"
Tensile	ASTM D 2671	2 in/min	1623 psi
Elongation	ASTM D 2671	2 in/min	596 %
Tensile After Heat Aging	ASTM D 2671	2 in/min	1226 psi
Heat Shock	ASTM D 2671	4 Hours @ 225C	Pass
Low Temperature Flexibility	ASTM D 2671	4 Hours @ -55C	Pass
Linear Shrink	ASTM D 2671	3 Minutes @ 200C	-5%