



SHRINKFLEX® 3:1 SHIELDING
FLAME RETARDANT UL 224 · MEETS SPECIFICATION MIL-I-DTL-23053/5
EXCELLENT HIGH FREQUENCY EMI SHIELDING

3:1 Shielding heatshrink tubing is a unique combination of Polyolefin and conductive cloth, with a high frequency EMI shielding properties. This product, a flame retardant and fluid resistant tubing, is a perfect solution for protecting your wire & cable bundles.

SIZING CHART

Nominal Size	Part #	Unshrunk Diameter	Shrunk Diameter	Wall Thickness After	1,2m Pcs. *Put-Ups		Available Colors	Kgs/ 10Pcs.
					M	L		
9,0mm	H3C0.38BK	9,0mm	3,0mm	0,79mm	2	12	1	0,22
12,0mm	H3C0.50BK	12,0mm	4,0mm	0,84mm	2	12	1	0,28
18,0mm	H3C0.75BK	18,0mm	6,0mm	0,99mm	2	12	1	0,41
24,0mm	H3C1.00BK	24,0mm	8,0mm	1,22mm	2	12	1	0,61
40,0mm	H3C1.50BK	40,0mm	13,0mm	1,27mm	2	12	1	0,96
50,0mm	H3C2.00BK	50,0mm	17,0mm	1,50mm	2	12	1	1,33

Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

Material	Polyolefin
Grade	H3C
Wall Thickness After Shrinkage	0,79mm - 1,50mm
Drawing Number	TF001H3C-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS



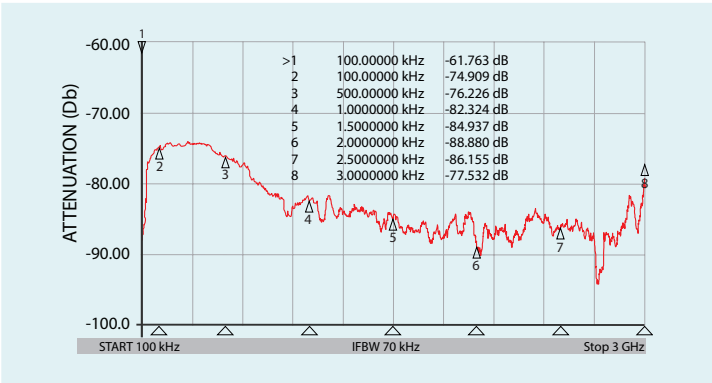
CHEMICAL RESISTANCE

Fluid Resistance Excellent

FLAMMABILITY

Rating Flame Retardant UL 224

SHIELDING EFFECTIVENESS (ASTM D-4935)



OPERATING TEMPERATURES

Shrinks	194°F / 90°C
Melt Point (ASTM D-2117)	392°F / 200°C
Maximum Continuous (Mil-I-23053)	275°F / 135°C
Minimum Continuous (Mil-I-23053)	-67°F / -55°C

PHYSICAL PROPERTIES

Wall Thickness After Shrinkage	0,79mm - 1,50mm
Flammability Rating	UL 224
Recommended Cutting	Scissors
Colors	1
Flexibility	Medium
Break Strength After Shrinkage	1 500
Dielectric Strength (volt/mil)	500

HOW-TO

Measure the Shrinkflex® tubing to length and cut with a scissor. The thickness of your bundle, as well as the desired final appearance, will determine the length of the tubing you cut. Generally, a piece 38,1mm - 50,8mm long will accommodate almost any need. Single wires, or smaller bundles, require shorter pieces.

Slip the Shrinkflex® tubing over the bundle and position it so that both the sleeved and unsleeved portions are sufficiently covered. Notice the small pieces of tubing installed on single wires as part of a color coding system. If your project requires multiple operations, always work up from the smallest to the largest bundle.

Gently apply heat to Shrinkflex® tubing from a heat gun, hair dryer or torch with an appropriate attachment. Keep the heat source far enough away so that hot metal or direct flame does not come in contact with the tubing, wires or sleeving. Move the heat around the bundle to prevent damaging the sleeving and to ensure that all areas of the tubing have been shrunk. Once cooled, your installation is complete.

