

## 2/1 SHIELD

- MIL-I-DTL-23053/5
- Excellent High Frequency EMI Shielding
- Easily Installs Over Connectors And Splices
- Flame Retardant UL224

### Put-Ups

| Nominal Size | Part #    | Unshrunk Diameter /mm | Shrunk Diameter /mm | Wall Thickness BEFORE | Wall Thickness AFTER | Bulk Box Put Up/ 4' Pcs. | Shop Box Put Up/ 4' Pcs. | Available Colors | Lbs/ 10Pcs. |
|--------------|-----------|-----------------------|---------------------|-----------------------|----------------------|--------------------------|--------------------------|------------------|-------------|
| 3/16"        | H2C0.19BK | 4.8                   | 2.4                 | 0.01"                 | 0.020"               | 12                       | 2                        | Black            | 0.31        |
| 1/4"         | H2C0.25BK | 6.4                   | 3.2                 | 0.01"                 | 0.025"               | 12                       | 2                        | Black            | 0.50        |
| 3/8"         | H2C0.38BK | 9.5                   | 4.8                 | 0.01"                 | 0.025"               | 12                       | 2                        | Black            | 0.63        |
| 1/2"         | H2C0.50BK | 12.7                  | 6.4                 | 0.01"                 | 0.025"               | 12                       | 2                        | Black            | 0.75        |
| 3/4"         | H2C0.75BK | 19.1                  | 9.5                 | 0.01"                 | 0.030"               | 12                       | 2                        | Black            | 1.00        |
| 1"           | H2C1.00BK | 25.4                  | 12.7                | 0.01"                 | 0.035"               | 12                       | 2                        | Black            | 1.50        |
| 1 1/2"       | H2C1.50BK | 38.1                  | 19.1                | 0.01"                 | 0.035"               | 12                       | 2                        | Black            | 2.25        |



**Cut Cleanly**  
**Scissor**

**Material**  
**Polyolefin**

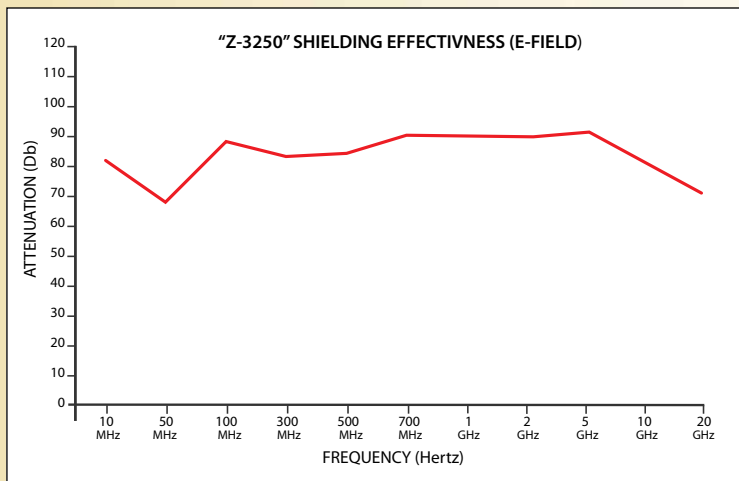
**Grade**  
**H2C**

### Shield 2/1 Heatshrink Tubing Shrinks To 1/2 its original diameter!

2/1 Shield 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.

**Colors Available:**  
Black (BK)



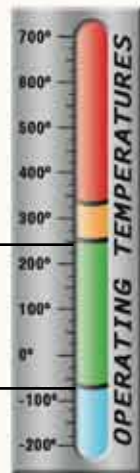
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Flammability Rating \_\_\_\_\_ Flame Retardant UL224

Maximum Continuous  
Mil-DTL-23053  
275°F (135°C)

Minimum Continuous  
Mil-DTL-23053  
-67°F (-55°C)



### Chemical Resistance

Fluid Resistance \_\_\_\_\_ Excellent



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 1 1/2" - 2" 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.

### PHYSICAL PROPERTIES

Recommended Cutting \_\_\_\_\_ Scissors

Colors \_\_\_\_\_ 1

Flexibility \_\_\_\_\_ Medium

Break Strength \_\_\_\_\_ 1,500  
After Shrinkage

Dielectric Strength (volts/mil) \_\_\_\_\_ 500

Wall Thickness \_\_\_\_\_ .020-.035  
After Shrinkage