



Electromagnetic Shielding Sleeves DS & FS Series

Data Sheet



Product Description

3M™ Electromagnetic Shielding Sleeves DS & FS Series consist of sleeves braided with glass fibers overwound with tin-plated copper foil.

- Superior shielding effectiveness
- Excellent strain relief
- Superior flexibility
- Excellent heat stability
- Solderable
- Resists oxidation and discoloration
- UL recognized flame retardancy per UL VW-1 (UL FR-1), Product category UZIQ2, File E120470.

Please consult with a 3M sales representative about size and lengths.

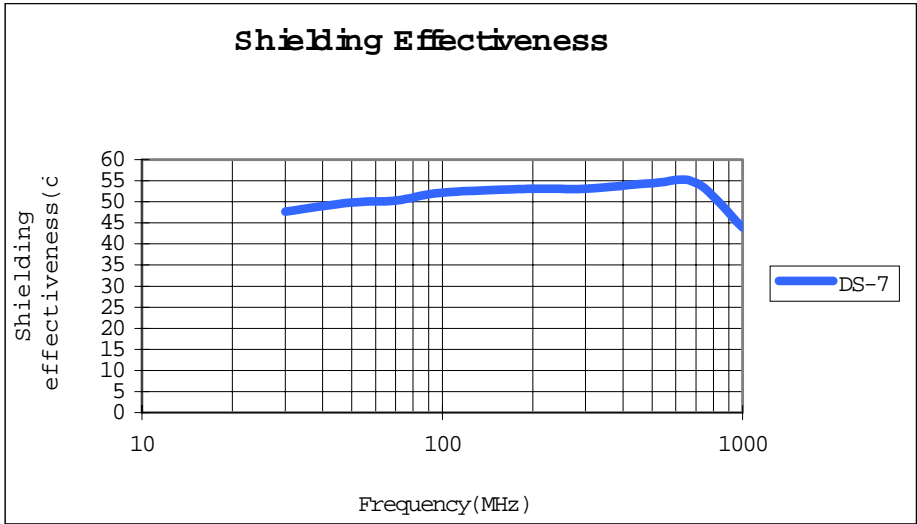
Applications

3M Electromagnetic Shielding Sleeves DS & FS Series have superior flexibility and EMI shielding effectiveness. They are used to shield cables in automated equipment, metrology, and harnesses from main board to display components.

Shielding Effectiveness

Shielding effectiveness depends on conductivity, permeability, thickness of metallization, degree of contact, smoothness of application surface, strength and frequency of EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation. (See chart below.)

Product No.	STD Size	I/O Cable	Ribbon Cable	UL File No.
DS-5	5 mm diameter	4-5 (pairs)		E120470
DS-7	7 mm diameter	7-16 (pairs)		E120470
DS-10	10 mm diameter	17-34 (pairs)	10-16 (lines)	E120470
DS-14	14 mm diameter		16-20 (lines)	E120470
FS-30	30 mm width		26-40 (lines)	E120470
FS-37	37 mm width		34-50 (lines)	E120470



3M is a trademark of 3M Company.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, Indirect, special, Incidental or consequential regardless of the legal theory asserted.**

3M
Electrical Markets Division
 6801 River Place Blvd.
 Austin, TX 78726-9000
www.3M.com/electrical/oem

Litho in USA
 © 3M 2004 78-8126-6596-2-A