



# 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

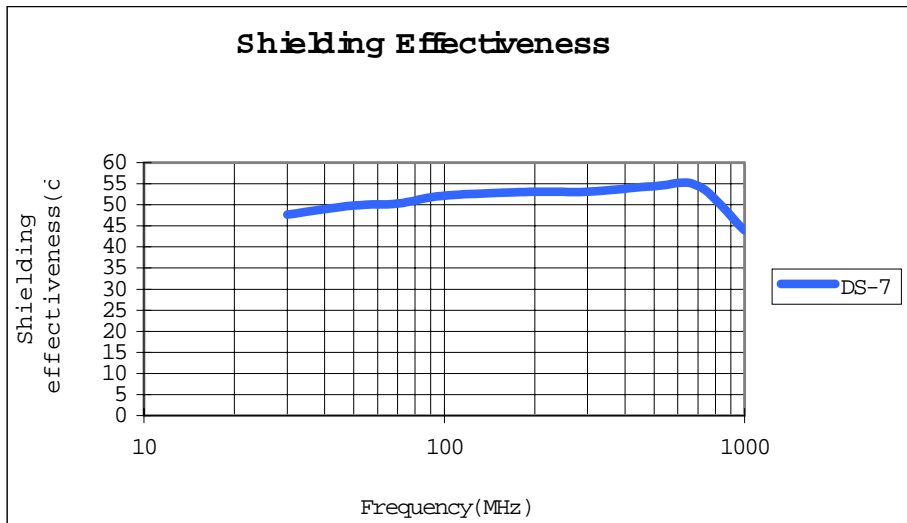
3M Electromagnetic Shielding Sleeves DS & FS Series have superior flexibility and EMI shielding effectiveness. They are used to shield cables in automated equipment, metrology, and harnesses from main board to display components.

### 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



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#### 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.

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