EMI Flex Shield Sleeves

DS/FS Series

3M™ High Flex-Life EMI Shield Sleeve is so good, we couldn't get it to fail.

The world is not always a kind place for shielded cables. While some sit quietly in the cabinet, others live a rough and tumble life of twisting, bending, flexing, kinking and contortions. Too often, the cable's EMI shield gets worn down like the knees on a kid's jeans, leaving your product vulnerable to unacceptable levels of interference.

To keep your cable bends covered, 3M researchers have developed a special High Flex-Life EMI Shielding that will outlast its competitors (and any cable you want to shield), even in applications where flexing is constant. While most flexible EMI sleeves perform in the thousands of flex cycles, our High Flex-Life Shield has been tested to more than 50 million flex cycles at a 1 1/2" radius without discernible change, much less failure. Your biggest challenge may be finding a cable that will last as long as the shielding.

Unique combination of materials and construction makes these sleeves tough

This amazing EMI shield is made from tin plated copper foil yarn knitted around glass fibers in a spiral construction. This combination allows the sleeve to bend, twist and recover without the wear that leads to EMI leaks.

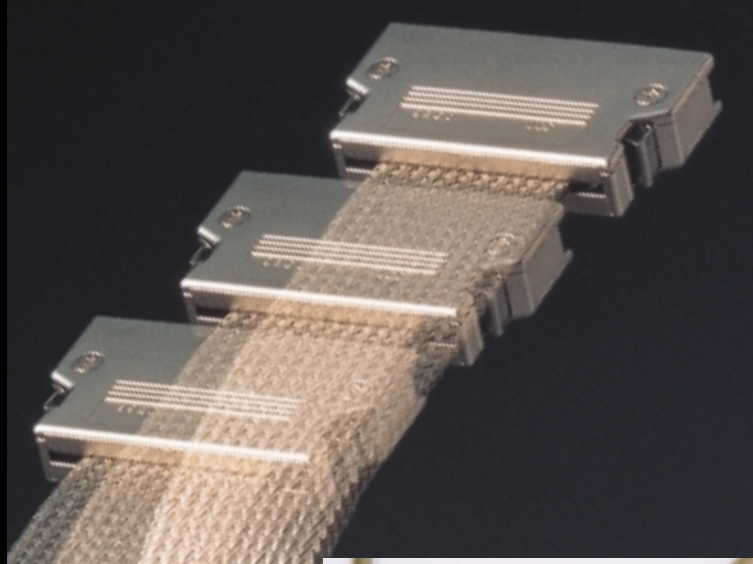
High quality shielding for a wide range of applications

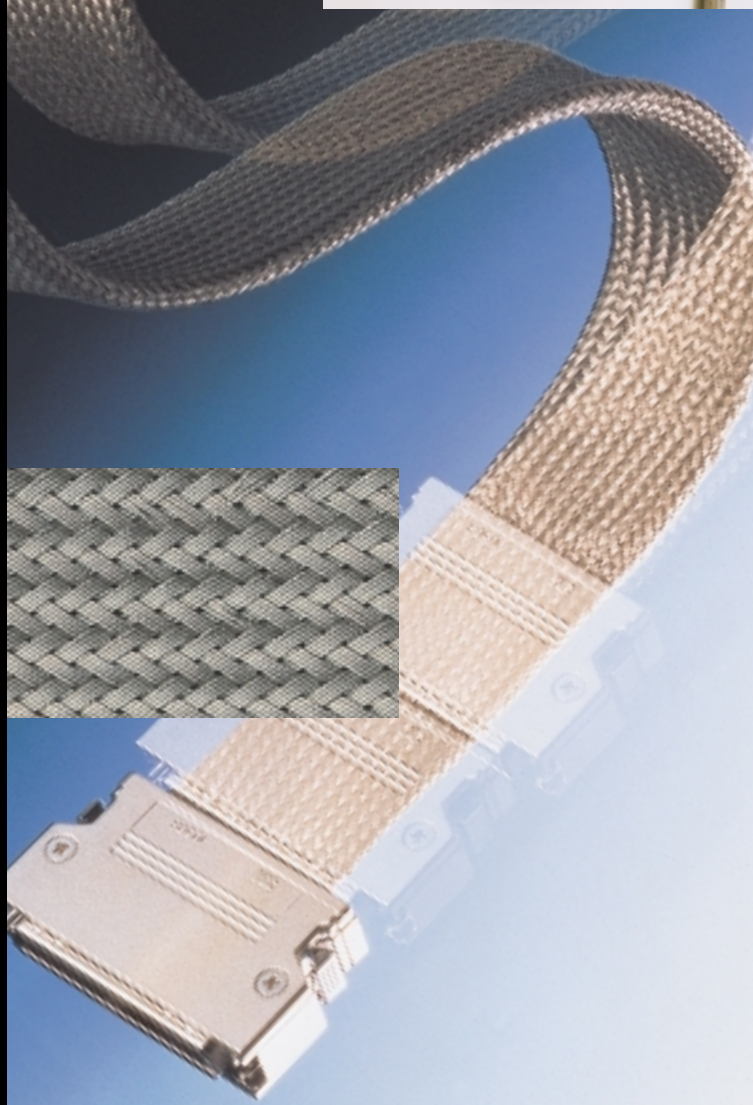
3M High Flex Life braided EMI shield sleeves offer an average of 25 dB shielding effectiveness over a range from 30 MHz to 1 GHz. The shield comes in 50 meter rolls of flat sleeve (30 or 37mm wide) or 100 meter rolls of round sleeve (5, 7, 10 or 14mm diameter).

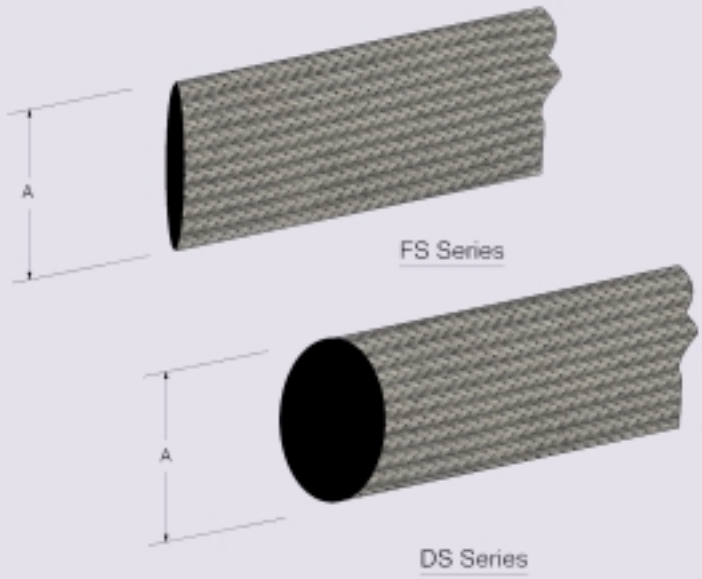
It can be soldered for easy termination or joining to other shields and is compatible with a wide variety of cables and connectors.

3M High Flex Life braided EMI shield sleeves are perfect for applications where shielding is critical and flexing is brutal, such as:

- Telecommunications equipment
- Test and measurement equipment
- Laptop computer lids
- Printers, plotters and copiers
- Automotive equipment
- Medical equipment







mm
[inch]
[A] Dimension for
Reference only

UL File No.: E120470

Construction: Woven conductors consisting of tinned copper foil spirally wound over glass fibers.

TS-0713

Product Number	Dimension A [Ref]	RollLength
DS-5	5mm [.2"] dia.	100m [328ft]
DS-7	7mm [.3"] dia.	100m [328ft]
DS-10	10mm [.4"] dia.	100m [328ft]
DS-14	14mm [.6"] dia	100m [328ft]
FS-30	30mm [1.2"] wide	50m [164ft]
FS-37	37mm [1.5"] wide	50m [164ft]

For ordering information, technical information, and product information, you can reach us at:

Phone: 1-800-225-5373
Fax: 1-800-325-5329

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Electronic Products Division
Cable & Assemblies Solutions
6801 River Place Blvd.
Austin, TX 78726-9000
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http://www.3M.com/interconnects/

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