

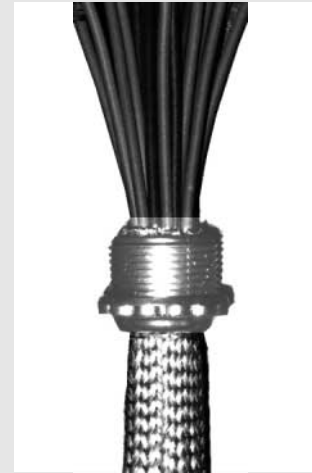
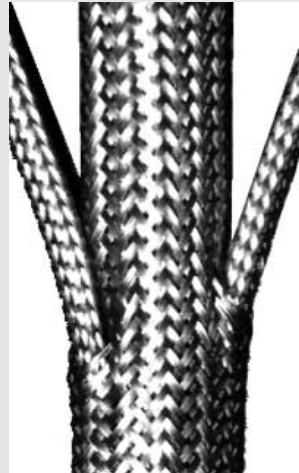
SHIELDING

MONOFILAMENT BRAIDED SLEEVING MFS-AG

Features

- Wiring and I/O cables associated with an electronic device often act as an antenna or receiver that can couple EMI sources to susceptible equipment nearby. Data lines carrying broadband signals up to high frequency ranges, also need to be shielded to minimise radiated coupling.

- The MFS-AG is a highly flexible, lightweight braided sleeve made of Polyamide 6.6 with a pure silver coating that provides attenuation up to 54 dB. This braided sleeve is easy to mount, selfadjusting to convex contours and allows insertion of single wires at any place without cutting the sleeve.

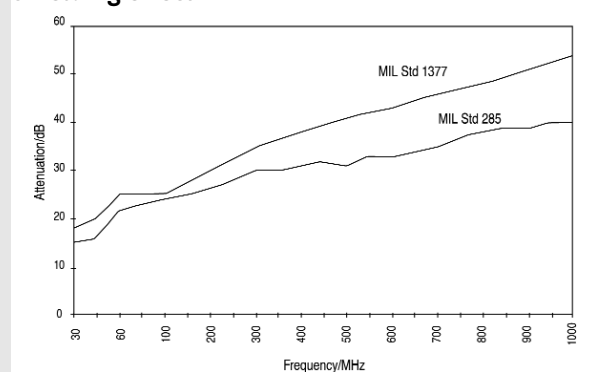


Technical Characteristics

Operating temperatures:	-40°C to + 160°C (-40°F to + 320°F)
Tensile strength:	approx. 2.1 Kg per single monofilament
Number of monofilaments:	depending on the diameter of the sleeve
Diameter of single monofilament:	0.27 ± 0.03 mm (0.01" ± 0.001")
Minimum radius of the sleeve:	1 mm
Minimum surface coverage:	> 75%
Colour:	metallic
Operating diameter range:	available from 1,5 mm to 115 mm Ø
Combustibility:	not selfextinguishing as empty sleeve***
Toxicity:	all materials are free of halogen, cadmium and formaldehyde; non toxic
Surface resistivity:	< 0.5 W / □
Shielding effectiveness:	depending on diameter and frequency - up to 54 dB as tested to MIL Std 1377 (DIN 47250 T6) - up to 40 dB as tested to MIL Std 285 flame extinguished before first measurement point reached
Requirements met:	VDE II B / VDE 0304, part 3 (5.70) UL-94: 94 V-2, UL standard 94 Airbus Industry Technical Specification ATS 1000.001, 4.1 and 4.2

In case of burning , the silver coating keeps a temperature higher than the self ignition temperature of the Polyamide 6.6 gases. Selfextinguishing cables inside the harness cool the silver down.

Shielding effect



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Part.No.	Dimension	for round objects		flat width when delivered	number of filaments	length of one machine hank
		from \emptyset	to \emptyset			
MFS-AG-3/4	mm	1,5	4	4	48	over 600m
MFS-AG-4/5	mm	3	6	5	64	over 600m
MFS-AG-6/8	mm	5	11	9	96	over 600m
MFS-AG-10/12	mm	7	15	11	120	400-450m
MFS-AG-14/16	mm	8	18	17	160	300-340m
MFS-AG-16/26	mm	16	26	20	192	340-360m
MFS-AG-18/25	mm	18	30	28	252	300-340m
MFS-AG-30	mm	24	36	30	292	300-340m
MFS-AG-40/45	mm	32	47	45	384	300-340m
MFS-AG-50/55	mm	32	58	51	480	300-340m
MFS-AG-60/65	mm	32	68	57	600	260-270m
MFS-AG- 80	mm	32	85	61	720	210-250m
MFS-AG-100	mm	50	115	95	960	140-160m

