

MEGA500

MEGA500 is an expandable Megamide braided sleeve valued for its resistance to high temperatures. It has a constant working temperature of -40°C to $+170^{\circ}\text{C}$, withstands short-term peaks of 230°C and a melting point of 260°C . It is available in black and grey in sizes up to 70mm supplied diameter as standard. It can be [cut](#) as required.

This braided jacket is ideal for rigorous mechanical applications where resistance to heat and self-extinguishing characteristics are also a consideration. Exposure of Megamide to a naked flame under test conditions shows that it conforms to current aeronautic standards for electric cables. It is often used in scientific, electronic, electrical and telephonic equipment as well as in television, aviation and marine industries. MEGA500 is available in several colours as well as the standard grey and black. This particular 0.25mm monofilament grade is especially recommended for aviation cable and for electrical cabinet cabling. Other grades of Megamide are also available on enquiry.

Technical Data

- **Operating Temperature** -40°C to $+170^{\circ}\text{C}$
- **Flame Retardant:** Self-extinguishing
- **Colours:** Black, Other colours available upon request
- **Sizes:** 3mm ? 70mm
- **Packing:** Reels, mini-reels, mini-packs, cut to length, cut sleeves
- **Approvals:** UI approved, RoHS Compliant
- **Applications / Industries:** Electrical, Electronics, Industrial, Mechanical, Automotive, Military-defence, Aerospace, Marine, Mass-transit, Offshore



Properties	Typical Values	Test Methods
General		
Operating Temperature	-40°C – $+170^{\circ}\text{C}$	
Short-term peak temperature	230°C	
Melt temperature	255°C	
Monofilament thickness	0.25mm	
Physical		
Specific gravity	1.13kg/dm ³	DIN 53479
Water absorption	at 23°C , 50% immersion 2.8%, full immersion 8.5%	DIN 53714, 53495
Thermal		
Flammability	Pass	UL94 V2
Chemical		
Chemical resistance	Unaffected by most chemicals	
Oxygen Index	27%	ASMT D 2863
Toxicity	Halogen & phosphorus free	
Opacity	Low smoke density	

Size (mm)	Supplied diameter (mm)	Application range (mm)
3	3.0	4.5 max
4	4.0	6 max
5	5.0	7 max
6	6.0	11 max
8	8.0	14 max
10	10.0	15 max
12	12.0	16 max
14	14.0	18 max
16	16.0	20 max
18	18.0	26 max
20	22.0	27 max
22	22.0	28 max
25	25.0	32 max
30	30.0	34 max
35	35.0	40 max
40	40.0	50 max
50	50.0	55 max
60	60.0	65 max
70	70.0	80 max

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