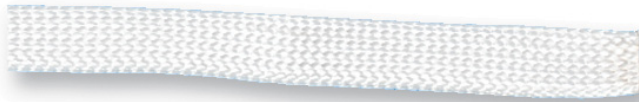


Braided Sleeving

Nomex®

PRO-POWER
Quality Cables



Features:

- It can be used for a wide range of applications such as military and aerospace wiring and harnessing applications.
- High radiation resistance.
- Light weight.
- Wide operating temperature.
- Heat resistance up to 371°C.
- High abrasion and flexibility.
- Maintains its properties in hostile environments.
- Available in Olive Drab and Ivory colours.
- Supplied on reels.

It is a flexible tubular expandable sleeving, braided with Nomex multifilament fibres. This light weight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance. The sleeving retains its integrity at temperatures over 245°C, (the melting point of Nylon) or in presence of Beta, gama and X-ray radiation or when exposed to high humidity or moisture. The high expansion allows the sleeving to be easily drawn on long lengths of wiring and cover a wide range of diameters with only few product sizes.

Specifications:

Operating temperature : -55°C to +245°C.
Limiting oxygen index : 29%.

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Technical Characteristics:

Fibre	: 200 deniers (220dtex).
Tensile strength at break	
- Conditioned at 65% RH	: 4.4cN/dtex.
- Wet	: 3.5cN/dtex.
Elongation at break	
- Conditioned at 65% RH	: 25%.
- Wet	: 16%.
Initial modulus (at 100% elongation)	
- Conditioned at 65% RH	: 110cN/dtex.
Specific gravity	: 1.38.
Coefficient of linear expansion (between 21 and 204°C) after relaxed heat-setting at 260°C	: 2×10^{-8} cm/(cm.°C).
Thermal conductivity	: 0.13W/(m.K).
Flame resistance	: Nomex does not melt or flow till 371°C.
Chemical resistance	: Resistant to most mineral acids, organic acids, alkalis, bleaching agents, organic chemicals and salt solutions. Unaffected by Freon, gasoline, jet fuel, Ethylene Glycol and Methyl Alcohol.

Dimension Data

Nominal Diameter	Range of Use Advised		Reel Length (m)	Construction		Colour	Part Number
	Minimum	Maximum		Number of Yarns	Weight (g/100m)		
6	4	8	100	282	750	Olive Drab	NOMEX60EDB100R
8	5	12	50	384	500		NOMEX80EDB50R
10	8	16		460	675		NOMEX10OEDB50R
15	10	20		526	800		NOMEX15OEDB50R
20	12	24		720	900		NOMEX20OEDB50R
25	15	30		1152	1600		NOMEX25OEDB50R
30	20	40		1440	2000		NOMEX30OEDB50R
6	4	8	100	282	750	Ivory	NOMEX61Y100R
8	5	12	50	384	500		NOMEX8IY50R
10	8	16		460	675		NOMEX10IY50R
15	10	20		526	800		NOMEX15IY50R
25	15	30		1152	1600		NOMEX25IY50R
30	20	40		1440	2000		NOMEX30IY50R

Dimensions : Millimetres (Unless Specified)

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Notes:

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