

# Expandable Braided Sleeving Nomex®

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## Description

A flexible tubular expandable sleeving, braided with Nomex (polyaryl-mide) 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, gamma and X-ray radiation or when exposed to high humidity or moisture.

The expandable construction allows the sleeving to be easily drawn on long lengths of wiring and cover a wide range of diameters with only a few product sizes. Used for a wide range of applications such as military and aerospace wiring and harnessing applications. Low smoke, low toxicity and halogen free.

## Specifications:

Colour	: Olive
Material	: Nomex (Polyaryl-mide)
Operating Temperature	: -50°C to +150°C
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/detex
Fibre	: 200 Derniers (220 dtex)
Specific Gravity	: 1.38
Coefficient of Linear Expansion (21-204°C) after	
Relaxed Heat-Setting at 260°C	: 2 × 10-8cm (cm/°C)
Thermal Conductivity	: 0.13W (m.K)
Flame Resistance	: Nomex does not melt or flow till 371°C UL94-V0
Chemical Resistance	: Mineral Acids, Organic Acids, Alkalis, Cleaning Agents, Salt Solutions, Unaffected by Freon, Gasoline, Jet Fuel, Ethylene Glycol and Methyl Alcohol
Standards	: MIL-C-43435B

## Part Number Table

Description	Diameter		Colour	Reel Length	Part Number
	Minimum	Maximum			
Expandable Braided Sleeving Nomex®	4mm	8mm	Olive	100m (328 ft.)	NOMEX60EDB100R
	5mm	12mm		50m (164 ft.)	NOMEX80EDB50R
	8mm	16mm			NOMEX10OEDB50R
	10mm	20mm			NOMEX15OEDB50R
	12mm	24mm			NOMEX20OEDB50R

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