

Nomex High Temperature Sleeving

Technical Data Sheet



Interconnect Solutions Worldwide



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Nomex high temperature sleeving: aramid monofilament expandable sleeving

Nomex high temperature sleeving is a flexible tubular expandable sleeving, braided with nomex polyaryl-amide fibres.

This lightweight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance.

The sleeving retains its integrity at temperature over 254 °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 high expansion 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.

It is ideal for a wide range of applications such as military and aerospace wiring harnessing applications.

TECHNICAL CHARACTERISTICS

WORKING TEMPERATURE	- UP TO 254 °C
STANDARD COLOUR	- OLIVE DRAB, IVORY AND BLACK

TYPICAL PROPERTIES AT 21°C

FIBRE	200 DENIERS (220 DTEX)
LIMITING OXYGEN INDEX	29%

TENSILE STRENGTH AT BREAK

CONDITIONED AT 65% RH	4.4 cN/dtex
WET	3.4 cN/dtex

ELONGATION AT BREAK

CONDITIONED AT 65% RH	25%
WET	16%

INITIAL MODULUS (@ 100% ELONGATION)

CONDITIONED AT 65% RH	110 cN/dtex
SPECIFIC GRAVITY	1.38

COEFFICIENT OF LINEAR EXPANSION (BETWEEN 21 AND 204 °C) AFTER RELAXED HEAT-SETTING AT 260 °C	2 x 10 (e-6) cm/(cm. °C)
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THERMAL CONDUCTIVITY	0.13 W/(mk)
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FLAME RESISTANCE	NOMEX DOES NOT MELT OR FLOW BELOW 371 °C
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CHEMICAL RESISTANCE	RESISTANCE TO MOST MINERAL ACIDS, ORGANIC ACIDS, ALKALIS, BLEACHING AGENTS, ORGANIC CHEMICAL AND SALT SOLUTIONS. UNAFFECTED BY FREON, GASOLINE, JET FUEL, ETHYLENE GLYCOL AND METHYL ALCOHOL.
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Ordering Information

EXAMPLE PART NUMBER: HT250-OD	
HT250 -	SIZE
OD -	COLOUR
	OD - OLIVE DRAB
	IVORY - NATURAL
	B - BLACK

SUPPLIED ON 50 METRES REELS

TABLE 1

REFERENCE SIZE-COLOUR	NOM. DIA	DIMENSIONS (MM)		CONSTRUCTION		REEL LENGTH
		INCH (MM)	MIN	MAX	NO. YARNS	WEIGHT g/100m
HT125-*	1/8 (4.0)	2	4	72	183	50
HT250-*	1/4 (6.0)	4	8	288	750	50
HT375-*	3/8 (8.0)	5	12	384	1000	50
HT500-*	1/2 (12.5)	8	16	480	1350	50
HT625-*	5/8 (15.0)	10	20	526	1600	50
HT750-*	3/4 (20.0)	12	24	720	1800	50
HT1000-*	1 (25.0)	15	30	1152	3200	50
HT1250-*	1 1/4 (30.0)	20	40	1440	4000	50
HT1500-*	1 1/2 (35.0)	25	50	1440	5000	50
HT1750-*	1 3/4 (40.0)	30	60	1920	7500	50