NELCO

Spirally Cut Cable Wrap and Abrasion Protector

Typical Properties

All materials are RoHS Compliant.
The information below is not intended to be used as design data.

Standard Materials	Max. Oper. Temp.	Min. Oper. Temp.	Abrasion Resistance Lower Nos. Better mg loss per M cycles Tabor D1044	Di-Electric Constant D-150	Tensile Strength @73°F D-638 -52T psi	Specific Gravity D792-66	Effect of Solvents	Effect of Acids at ambient	Effect of Alkalies at ambient	Water Absorption % at ambient	Flammability D-570	MIL Spec.& Approvals*
Natural Polyethylene. Ideal for general applications, this low-cost material is highly abrasion resistant and is not affected by most solvents.	190°F 88°C	-76°F -60°C	22	2.5	1,800	0.92	None below 122°F 50°C	None	None	.014	Flammable	Fed.Spec. L-P-390 MIL-P 21922 A-A-59602
Polyethylene in Colors. Used for identification, coding and decoration. Includes red, white, blue, yellow, orange, gray, brown, purple and green. Day-Glo colors include orange, green, yellow, and pink. Colors may not be available from stock in all sizes, consult factory.	190°F 88°C	-76°F -60°C	22	2.5	1,800	0.92	None below 122°F 50°C	None	None	.014	Flammable	Fed.Spec. L-P-390 MIL-P 21922
Ultraviolet-Resistant Black Polyethylene. Has the same properties as natural polyethylene but features an ultraviolet absorber which permits it to be used outdoors in direct sunlight for long periods of time.	190°F 88°C	-76°F -60°C	20	2.6	1,800	0.93	None below 122°F 50°C	None	None	.03	Flammable	Fed.Spec. L-P-390 MIL-P 21922 A-A-59602
Fire-Resistant White Polyethylene. Suitable for applications requiring a self-extinguishing material.	176°F 80°C	-4°F -20°C	27	2.58	1,300	1.29	None below 122°F 50°C	None	None	.02	94V-2 UL 1441	A-A-59602
Fire-Resistant Black Polyethylene. Features the same properties as Fire-Resistant White Polyethylene.	176°F 80°C	-4°F -20°C	27	2.58	1,300	1.29	None below 122°F 50°C	None	None	.02	94V-2 UL 1441	A-A-59602
Nylon. Natural Nylon is self-extinguishing and does not produce any toxic or irritating byproducts, even when exposed to an open flame or excessive operating temperatures. Recommended for use in enclosed environments where the possibility of fire exists, this material is also lightweight, highly abrasion-resistant, and operates over a wide temperature range.	250°F 121°C	-40°F -40°C	6-8	4.0	12,000	1.14	None	Satisfactory except for strong acids	None	1.5	Self-Extinguishing	ASTM D 4066 L-P-410A
Black Nylon. Features the same properties as Natural Nylon with the added benefit of an ultraviolet absorber so that it can be used in direct sunlight for long periods of time.	250°F 121°C	-40°F -40°C	6-8	4.0	12,000	1.14	None	Satisfactory except for strong acids	None	1.5	Self-Extinguishing	ASTM D 4066 L-P-410A MIL-T-47287A*
PTFE. Natural PTFE features the widest operating temperature range of any material and can be used from -450° F to +500°F. UV resistant, chemically inert and non-flammable, it is also available in black and a wide selection of colors.	500°F 260°C	-450°F -268°C	7	2.1	3,000	2.1	None	None	None	<.01	VW-1	ASTM D-3295 MIL-T-47287A*

* = Not all sizes meet this spec. Custom pitch also may be required
ASTM = American Society for Testing and Materials
MIL = Military Specifications

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