Wrap Around Braided Cable Sleeving

Technical Specifications

Table of Contents

Overview

Kable Kontrol Wrap Around Braided Cable Sleeving is manufactured with a specialized polyester blend. This material has a semi-rigid construction leading to excellent abrasion resistance. The recommended operating temperature for this product is –94°F to + 257°F.

Kable Kontrol Wrap Around Braided Cable Sleeving offers a seamed design for installation over connectors/fittings; ideal use where wire breakouts are inevitable. Wrappable and serviceable entry ensures bundle integrity and protects wires from abrasion and trapped moisture.

Country of Origin: China

Wrap Around Braided Cable Sleeving

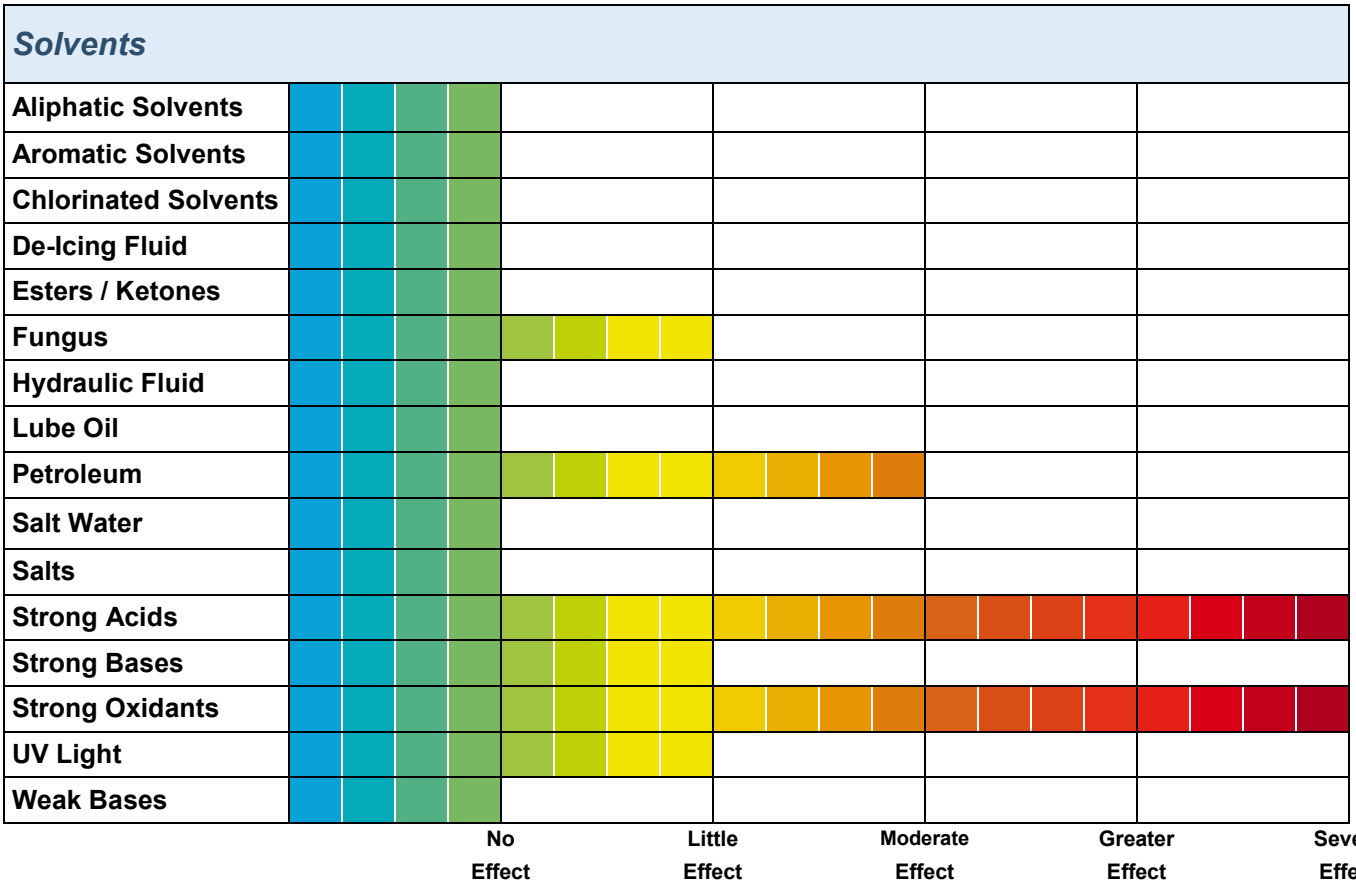
SKU	Inside Diameter	Color	Sizing (ft)
BSSCE0.25	1/4”	Bk, Or, Gy, Wt	10’| 25’| 50’| 100’| 200’
BSSCE0.38	3/8”	Bk, Or, Gy, Wt	10’| 25’| 50’| 100’| 150’
BSSCE0.50	1/2”	Bk, Or, Gy, Wt	10’| 25’| 50’| 100’| 150’
BSSCE0.75	3/4”	Bk, Or, Gy, Wt	10’| 25’| 50’| 100’
BSSCE1.00	1”	Bk, Or, Gy, Wt	10’| 25’| 50’| 100’ | 400’
BSSCE1.25	1-1/4”	Bk, Or, Gy, Wt	25’| 50’| 100’ | 250’
BSSCE1.50	1-1/2”	Bk, Or, Gy, Wt	25’| 50’| 75’ | 250’
BSSCE2.00	2”	Bk, Or, Gy, Wt	25’| 50’ |200’

Description	*Temperature °F / °C*
Melt Point	482 / 250
Maximum Continuous	257 / 125
Minimum Continuous	-94 / -70

(Fig 1.1)

Properties	Test	Result / Value
Monofilament Diameter	ASTM D-204	0.009”
Multifilament	ASTM D-6612	1200 Denier
Specific Gravity	ASTM D-792	1.38
Moisture Absorption	ASTM D-570	0.1% - 0.2%
Flammability	FMVSS 302	Self Extinguishing, Type B
Flammability	SAE J 369-89	Pass
Fluid Resistance	SAE J2 192	100% Tensile Retention
Fluid Resistance	MIL-I-23053	100% Tensile Retention
Thermal Overload	ES-AC35—IA303-AA	Pass
Low Temperature Flexibility	MIL-DTL-23053E	-70°C
Heat Age @ 168 HRS	ES-AC35—1A303-AA	Pass
Heat Age @ 3,000 HRS	ES-AC35—1A303-AA	Pass
Abrasion	SAE ARP 1536A	Min 45,000 Cycles
TML	ASTM E-595 AT 10-5 TORR	0.19%
CVCM	ASTM E-595 AT 10-5 TORR	0.00%
WVR	ASTM E-595 AT 10-5 TORR	0.16%

(Fig 1.2)



(Fig 1.3)

Flame Resistance (Fig 1.1—1.2)

Kable Kontrol Wrap Around Braided Cable Sleeving has a flammability approval of UL VW-1. This flammability rating is assigned by Underwriters Laboratories to wires and cables, indicating that the material has passed a vertical flame test. The test consists of a sample being held vertically and repeatedly exposed to a flame to evaluate its resistance to ignition and ability to self-extinguish. If the sample resists burning and does not spread flames beyond a certain limit, it qualifies for the VW-1 rating.

Polyester can generate moderate smoke and toxic fumes when burned, depending on the specific combustion conditions. Proper ventilation and fire precautions are recommended when processing or using the material in high-temperature environments.

Effects of Heat Aging (Fig 1.1—1.2)

Kable Kontrol Wrap Around Braided Cable Sleeving shows good resistance to heat aging under its rated operating temperature of up to 125°C, maintaining flexibility and structural integrity over time. Over time, heat aging may lead to brittleness, color fading, and reduced mechanical strength, particularly if the sleeving is exposed to temperatures approaching its melt point (482°F) or exposed to high levels of UV.

Hydrolytic Stability and Water Absorption (Fig 1.2)

Kable Kontrol Wrap Around Braided Cable Sleeving has good hydrolytic stability and low water absorption, making it reliable in moist or humid environments. It typically absorbs only 0.1—0.4% of water by weight, meaning it retains its mechanical strength and electrical insulation properties even when exposed to water. This makes this product ideal for both indoor and outdoor applications.

Chemical Resistance (Fig 1.3)

Kable Kontrol Wrap Around Braided Cable Sleeving is well-suited for most indoor and industrial applications. However, in environments with strong acids, oxidants, or high UV exposure, additional protective measures should be considered to ensure long-term durability.

Effects of Radiation

Kable Kontrol Wrap Around Braided Cable Sleeving has moderate resistance to ionizing radiation and is generally suitable for environments with low to moderate radiation levels. However, it is not recommended for high-radiation or nuclear settings, as prolonged exposure can lead to material degradation, including embrittlement and discoloration. Additionally, polyester is vulnerable to UV, so outdoor applications should account for potential sunlight exposure to maintain long-term performance.

Loss of Weight with Aging

Kable Kontrol Wrap Around Braided Cable Sleeving exhibits very low weight loss with aging under normal use, retaining its mass and mechanical integrity over time. When exposed to high temperatures, UV radiation, or aggressive chemicals, some gradual degradation may occur, but overall weight loss remains minimal unless the product is used well beyond its rated limits or in harsh conditions for extended durations. This makes it a stable and reliable choice for long-term applications.

UL Standards & Engagement

UL Standards & Engagement UL standard is a published set of best practices for manufacturing and testing the safety, security, and sustainability of a product or system, developed and voted on by experts across industries and interests.

Kable Kontrol Wrap Around Braided Cable Sleeving possess a flammability rating of UL VW-1 (Horizontal)

UL VW-1 (Horizontal) is a flammability rating assigned by Underwriters Laboratories to wires and cables, indicating that the material has passed a vertical flame test. The test consists of a sample being held vertically and repeatedly exposed to a flame to evaluate its resistance to ignition and ability to self-extinguish. If the sample resists burning and does not spread flames beyond a certain limit, it qualifies for the VW-1 rating.

Contact Our Sales Team Today!

Call 1-877-733-4202 or

Email info@kablekontrol.ca