



Cyclone Hydraulic Spiral Wrap Tubing *Technical Specifications*

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Overview

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing is manufactured with the highest quality HDPE for ultimate protection against abrasion and crushing damage. The operating temperature range for this Spiral Wrap Tubing is -40°F to 280°F .

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing is designed specifically for heavy duty bundling and protection of hydraulic and pneumatic has used across various industries.

Country of Origin: India

Cyclone Hydraulic Spiral Wrap Tubing

SKU	Nominal OD (mm/inch)	Nominal ID (mm/inch)	Wall Thickness (mm/inch)	Pitch (mm/inch)	Feet / Box
HGPW-10-165	10mm / 0.39"	7mm / 0.28"	1.5mm / 0.059"	10mm / 0.39"	165'
HGPW-12-165	12mm / 0.47"	9mm / 0.35"	1.5mm / 0.059"	10mm / 0.39"	165'
HGPW-16-66*	16mm / 0.63"	12.6mm / 0.5"	1.7mm / 0.067"	12mm / 0.47"	66'
HGPW-16-165	16mm / 0.63"	12.6mm / 0.5"	1.7mm / 0.067"	12mm / 0.47"	165'
HGPW-20-66*	20mm / 0.79"	16mm / 0.63"	2mm / 0.079"	16mm / 0.63"	66'
HGPW-20-165	20mm / 0.79"	16mm / 0.63"	2mm / 0.079"	16mm / 0.63"	165'
HGPW-25-66*	25mm / 0.98"	20.6mm / 0.81"	2.2mm / 0.087"	20mm / 0.79"	66'
HGPW-25-165	25mm / 0.98"	20.6mm / 0.81"	2.2mm / 0.087"	20mm / 0.79"	165'
HGPW-32-66*	32mm / 1.26"	27mm / 1.06"	2.5mm / 0.098"	22mm / 0.87"	66'
HGPW-32-165	32mm / 1.26"	27mm / 1.06"	2.5mm / 0.098"	22mm / 0.87"	165'
HGPW-40-66*	40mm / 1.57"	34.6mm / 1.36"	2.7mm / 0.106	27mm / 1.06"	66'
HGPW-40-165	40mm / 1.57"	34.6mm / 1.36"	2.7mm / 0.106	27mm / 1.06"	165'
HGPW-50-66*	50mm / 1.97"	44mm / 1.73"	3.0mm / 0.118"	30mm / 1.18"	66'
HGPW-63-66*	63mm / 2.48"	55.4mm / 2.18"	3.8mm / 0.150"	37mm / 1.46"	66'
HGPW-75-66*	75mm / 2.95	67mm / 2.64"	4.0mm / 0.157"	42mm / 1.65"	66'
HGPW-90-65*	90mm / 3.54	80mm / 3.15"	5.0mm / 0.197	45mm / 1.77"	66'
HGPW-110-40*	110mm / 4.33"	99mm / 3.90"	5.5mm / 0.220"	50mm / 1.97"	40'
HGPW-125-40*	125mm / 4.92"	113mm / 4.45"	6.0mm / 0.240"	55mm / 2.17"	40'

*Available in Black or Yellow

Physical Properties	Unit	Testing Method	Thai-zex Advance 8100MB
Melt Flow Rate @ 2.16kg. 190°C	g/10 Min.	ASTM D1238	0.03
Melt Flow Rate @ 2.16kg. 190°C	g/10 Min.	ASTM D1238	6
Density @ 23°C	g/cm ³	ASTM D1505	0.962
Tensile Strength @ Yield	kg/cm ²	ASTM D638	230
Tensile Strength @ Break	kg/cm ²	ASTM D638	360
Elongation @ Break	%	ASTM D638	780
Stiffness (Olsen)	kg/cm ²	ASTM D747	8500
Izod Impact Strength (With Notch)	kg*cm/cm	ASTM D256	45 (NB)
MRS	MPa	ISO/TR 9080	10
Classification	-	ISO 12162	PE100
ESCR (F50)	Hours	ASTM D1693	>2000
Carbon Black Content	%	ASTM D4216	>2.00



UV Resistance

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing holds excellent UV resistance due to its carbon infusion. This product is ideal for applications with high UV exposure both indoors and outdoors.

Chemical Resistance

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing has impressive chemical resistance. Most importantly, this product is resistant to all hydraulic fluids including Glycol & Phosphate ester.

Flame Resistance

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing has high operating temperature, but is not recommended for applications which test its flame resistance.

Effects of Heat Aging

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing can become brittle and less flexible over time especially when used outside of its recommended operating temperature range.

Hydrolytic Stability and Water Absorption

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing resists degradation when exposed to water or moisture over time. Additionally, it also has low water absorption, preventing swelling or weakening of the material in most conditions.

Effects of Radiation

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing can be known to degrade when exposed to high ionizing radiation. It can lead to brittleness, loss of flexibility, and reduced strength. However, as previously stated this product holds excellent UV resistance.

Loss of Weight with Aging

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing is not typically known to experience weight loss with aging, but it can occur under certain conditions. Over time, exposure to environmental factors such as UV radiation, heat, and chemicals can cause slight degradation of the material, potentially leading to a reduction in mass.

Kable Kontrol Cyclone Hydraulic Spiral Wrap Tubing is Mine Safety and Health Administration Certified

MSHA (Mine Safety and Health Administration) certifications are required for miners to ensure they have the necessary training and knowledge to work safely in mines. These certifications cover various aspects of mine safety, including accident prevention, hazard identification, and emergency procedures.