



- Outstanding Protection Against Abrasion And Cut-Through
- Resists Gasoline, Engine Chemicals & Cleaning Solvents
- Expands Up To 150%
- Does Not Trap Heat Or Humidity
- Resin Coated
- Resists Fraying When Cut With Scissors



Cut Cleanly  
Scissors

**Material**

Polyethylene Terephthalate and Nylon 6-6 Polyamide

**Grade**

CCH

**Monofilament Diameter**

.010" and .015"

**Drawing Number**

TF001CCH-WD

**Put-Ups**

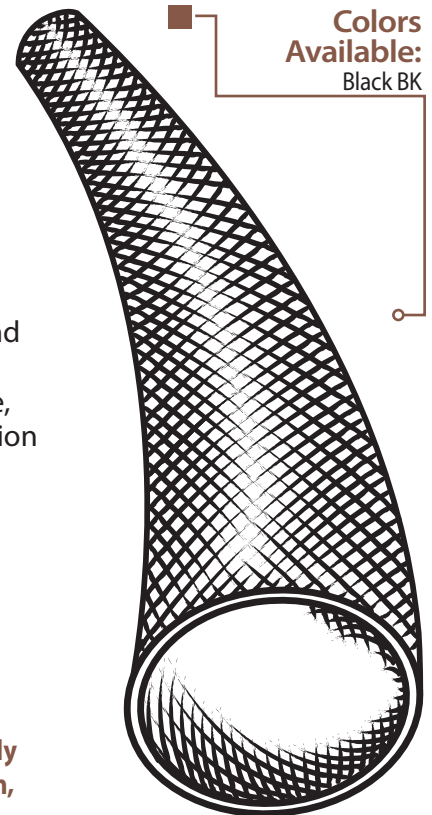
Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Lbs/100'
			Min	Max				
1/8"	CCH0.13BK	.0285"	1/8"	1/4"	1,000'	100'	Black (BK)	0.28
1/4"	CCH0.25BK	.0285"	1/8"	3/8"	1,000'	100'	Black (BK)	0.42
3/8"	CCH0.38BK	.0285"	1/4"	1/2"	500'	100'	Black (BK)	0.80
1/2"	CCH0.50BK	.0285"	3/8"	3/4"	500'	100'	Black (BK)	1.06
3/4"	CCH0.75BK	.0285"	3/4"	1 1/4"	250'	75'	Black (BK)	1.60
1"	CCH1.00BK	.0285"	1"	1 1/2"	250'	50'	Black (BK)	1.71
1 1/4"	CCH1.25BK	.0285"	1 1/4"	2 1/4"	250'	50'	Black (BK)	2.02
1 1/2"	CCH1.50BK	.0285"	1 1/2"	2 1/2"	200'	50'	Black (BK)	2.70
2"	CCH2.00BK	.0285"	2"	3 1/4"	100'	25'	Black (BK)	3.36

**Cut Easily. Protect Confidently.**

CLEAN CUT HD (CCH) is perfect for heavy duty applications where there is no access to a hot knife. This dual monofilament sleeve is constructed with 10 mil polyethylene terephthalate (PET) and 15 mil nylon 6-6 polyamide monofilament yarns for superior strength. For an extra level of protection, a resin coating is applied to offer improved abrasion, cut, and fray resistance. The open-weave construction expands to fit several application shapes and sizes, and also makes this sleeving highly flexible and resistant to trapping moisture, heat and humidity.

Clean Cut HD is commonly used in military, marine, and industrial applications where additional abrasion and moisture protection is needed.

Colors Available:  
Black BK



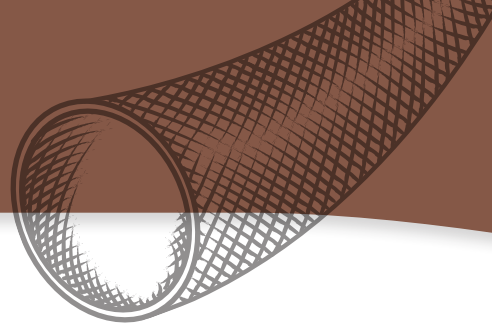
Protects hydraulic, pneumatic, fluidic, or thermally insulated hoses and wire harnesses from abrasion, cut-through, and flying debris.



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## ABRASION

**Abrasion Resistance**  
Very High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
75°F

**Humidity**  
15%

**Slightly Worn**  
400 Test Cycles

**Worn To One Thread Break**  
1,000 Test Cycles

**Fraying**  
1,600 Test Cycles

**Material Destroyed -  
Broken Filaments**  
3,600 Test Cycles

**Pre-Test Weight**  
3,691.4 mg

**Post-Test Weight**  
2,073.8 mg

**Test End Loss Of Mass  
Point Of Destruction**  
1,617.6 mg

## CHEMICAL RESISTANCE

1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

Engine Oil \_\_\_\_\_ 1  
SAE J 2192

Gasoline \_\_\_\_\_ 1  
SAE J 2192

Diesel Fuel \_\_\_\_\_ 1  
SAE J 2192

Power Steering Fluid \_\_\_\_\_ 1  
SAE J 2192

Transmission Fluid \_\_\_\_\_ 1  
SAE J 2192

Engine Coolant \_\_\_\_\_ 1  
SAE J 2192

Battery Fluid \_\_\_\_\_ 1  
SAE J 2192

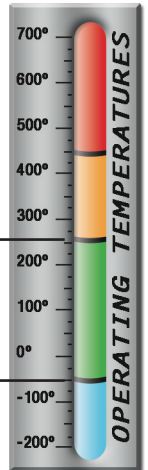
5% NaCl (Salt Water) \_\_\_\_\_ 1  
SAE J 2192

RoHS \_\_\_\_\_ Yes

**Melt Point**  
ASTM D-2117  
509°F (265°C)

**Maximum Continuous**  
Mil-I-23053  
257°F (125°C)

**Minimum Continuous**  
-49°F (-45°C)



## FLAMMABILITY

Rating \_\_\_\_\_ Self Extinguishing  
SAE FMVSS-302

## PHYSICAL PROPERTIES

Monofilament Diameter\_\_ .010" & .015"  
ASTM D-204

Flammability Rating\_Self Extinguishing  
FMVSS-302 Approved

Recommended Cutting \_\_\_ Scissors/HK  
Colors \_\_\_\_\_ 1

Wall Thickness\_\_\_\_\_ .0285"

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