



- 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**

0,25mm & 0,38mm

**Drawing Number**

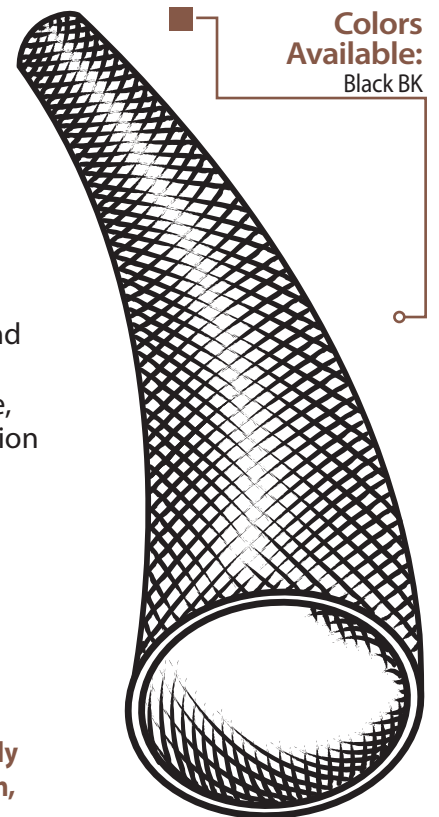
TF001CCH-WD

Nominal Size	Part #	Wall Thickness	Expansion Range		Bulk Spool	Shop Spool	Available Colors	Kgs/100m
			Min	Max				
3,2mm	CCH0.13BK	0,7mm	3,2mm	6,4mm	304,9m	30,5m	Black (BK)	0,42
6,4mm	CCH0.25BK	0,7mm	3,2mm	9,5mm	304,9m	30,5m	Black (BK)	0,63
9,5mm	CCH0.38BK	0,7mm	6,4mm	12,7mm	152,4m	30,5m	Black (BK)	1,19
12,7mm	CCH0.50BK	0,7mm	9,5mm	19,1mm	152,4m	30,5m	Black (BK)	1,58
19,1mm	CCH0.75BK	0,7mm	19,1mm	31,8mm	76,2m	22,9m	Black (BK)	2,38
25,4mm	CCH1.00BK	0,7mm	25,4mm	38,1mm	76,2m	15,2m	Black (BK)	2,54
31,8mm	CCH1.25BK	0,7mm	31,8mm	57,2mm	76,2m	15,2m	Black (BK)	3,01
38,1mm	CCH1.50BK	0,7mm	38,1mm	63,5mm	61,0m	15,2m	Black (BK)	4,02
50,8mm	CCH2.00BK	0,7mm	50,8mm	82,6mm	30,5m	7,6m	Black (BK)	5,00

**Cut Easily. Protect Confidently.**

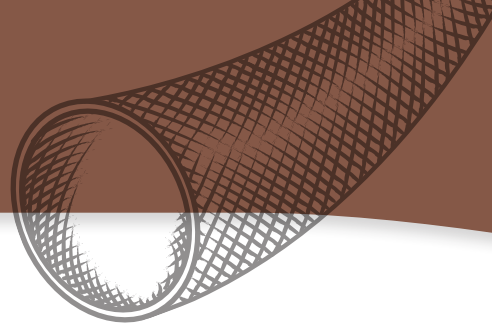
CLEAN CUT HD (CCH) is perfect for heavy duty applications where there is no access to a hot knife. This dual monofilament sleeve is constructed with 10 mil polyethylene terephthalate (PET) and 15 mil nylon 6-6 polyamide monofilament yarns for superior strength. For an extra level of protection, a resin 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.



## ABRASION

**Abrasion Resistance**  
Very High

**Abrasion Test Machine**  
Taber 5150

**Abrasion Test Wheel**  
Calibrase H-18

**Abrasion Test Load**  
500g

**Room Temperature**  
24°C

**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

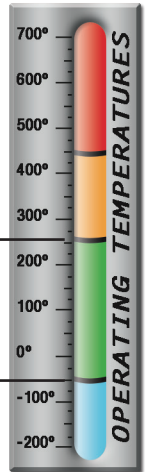
1=No Effect      4=More Affected  
2=Little Effect    5=Severely Affected  
3=Affected

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)



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## FLAMMABILITY

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

## PHYSICAL PROPERTIES

Monofilament Diameter\_\_0,25-0,38mm  
ASTM D-204  
Flammability Rating\_Self Extinguishing  
FMVSS-302 Approved  
Recommended Cutting \_\_\_ Scissors/HK  
Colors \_\_\_\_\_ 1  
Wall Thickness\_\_\_\_\_ 0,7mm