Clean Cut FR

- VW-1, Mil-202 **Approved**
- Cut and Abrasion Resistant
- Expands for Ease of Installation
- Halogen Free
- Temperature Range -94°F to 257°F
- Melt Temp. 482°F



Scissor Cut for Field Installation, Will Not **Support Combustion**

CLEAN CUT FLAME RETARDANT (CC) has all of the same qualities that make our standard CC so easy to cut and install, with the added advantage of a flame inhibitor to provide an extra level of safety in certain applications.

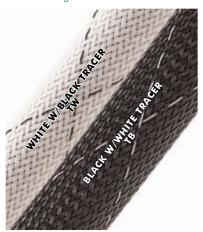
CLEAN C

Under normal conditions, Clean Cut FR will quickly self-extinguish and minimize flame spread and incidental damage to surrounding components.

The combination of flame retardance, ease of installation and nearly complete coverage makes Clean Cut FR an ideal solution for many industrial and advanced engineering applications.



Pro AV installers can incorporate CCF into cabling designs for concert, studio and nightclub installations.





Nominal	Part #	Expansion Range		Standard Spool Put-Ups		Available	Lbs/
Size		Min.	Max.	Bulk Spool	Shop Spool	Colors	100′
1/8"	CCF0.13	1/8"	1/4"	1,000′	100′	TW & TB	0.40
1/4"	CCF0.25	5/32"	7/16"	1,000′	100′	TW & TB	0.46
3/8"	CCF0.38	3/16"	5/8″	500′	100′	TW & TB	0.74
1/2"	CCF0.50	1/4″	3/4"	500′	100′	TW & TB	0.82
3/4"	CCF0.75	5/8″	1″	250′	75′	TW & TB	1.11
1″	CCF1.00	3/4"	1 3/16"	250′	50′	TW & TB	1.24
1 1/4"	CCF1.25	1″	1 1/2"	250′	50′	TW & TB	1.56
1 1/2"	CCF1.50	1 1/4"	2″	250′	50′	TW & TB	1.85







CLEAN CUT FR



- Cuts Easily, Neatly and Maintains a Fray **Resistant End**
- **Expands For Ease** Of Installation
- Cut And Abrasion Resistant
- Mil-202 & VW-1 **Approved**
- **Halogen Free**



Material

Polyethylene Terepthalate

Grade

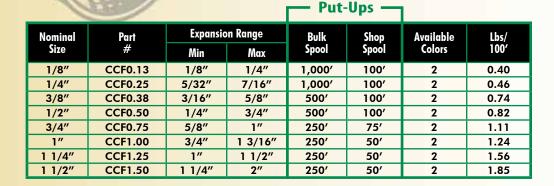
CCF

Monofilament Diameter

.008"

Drawing Number

TF001CCF-WD



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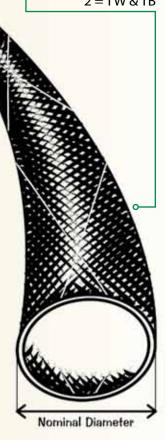
> Cuts easily and neatly with regular scissors and maintains a fray resistant end during installation. When scissor cut, the end of CC will withstand heavier handling without fraying than standard PT.

Colors Available:



White with Black Tracer (TW) and Black with White Tracer (TB).







www.techflex.com 800.323.5140 • 973.300.9242 • fax: 973.300.9409 104 Demarest Road • Sparta, NJ 07871











CLEAN CUT FR





Abrasion Resistance Medium

Abrasion Test Machine Taber 5150

Abrasion Test Wheel Calibrase H-18

Abrasion Test Load 500g

Room Temperature 80°F

Humidity 70%

Very Minor Scuffing 100 Test Cycles

Strands Frayed **And Rough Surface 400 Test Cycles**

Scuffina And Several **Broken Strands 500 Test Cycles**

Material Destroyed 700 Test Cycles

Pre-Test Weight 3,602.0 mg

Post-Test Weight 3,373.9 mg

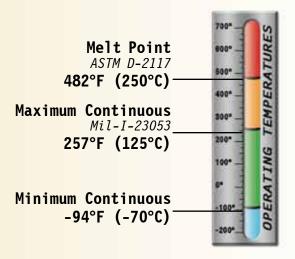
Test End Loss Of Mass Point Of Destruction 228.1 mg



Chemical Resistance

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

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Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water 0-S-1926	1
Hydraulic Fluid MIL-H-5606	1
Lube Oil MIL-L-7808	1
De-Icing Fluid MIL-A-8243	1
Strong Acids	3
Strong Oxidants	2
Esters/Keytones	2
UV Light	1
Petroleum	1
Fungus ASTM G-21	1
Halogen Free	Yes
RoHS	Yes
SVHCN	lone



PHYSICAL PROPERTIES

Monofilament Diameter ASTM D-204	008					
Flammability Rating	VW-1					
Recommended CuttingScissor/HK						
Colors	2					
Wall Thickness	024					
Tensile Strength (Yarn) ASTM D-2256 Lb	4					
Specific Gravity ASTM D-792_	1.38					
Moisture Absorption % ASTM D-570	12					
Hard Vacuum Data ASTM E-595						
TML	19					
CVCM	04					
WVR	00					
Smoke D-Max	275					
Outgassing	Med					
Oxygen Index	31					