



- Ideal For Strong Lightweight Tubular Structures
- Variety Of Diameters, Wall Thicknesses, And Braid Patterns
- Fast Turnaround On Custom Requirements



Cut Cleanly  
Scissors

**Material**  
Polyacrylonitrile (PAN)

**Grade**  
CAL, CAN, CAH

**Wall Thickness**  
0,3mm - 0,8mm

**Drawing Number**  
TF001CAL-WD

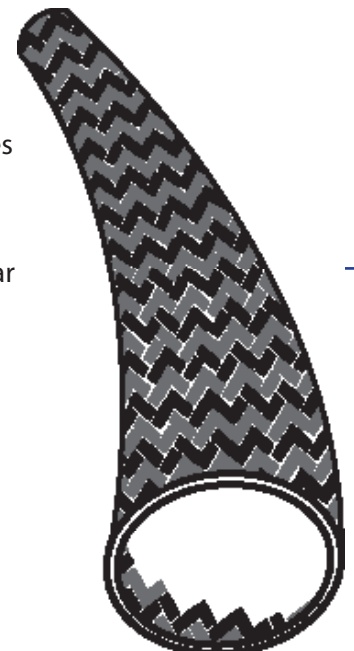
	Nominal Size	Part #	Wall Thickness	Expansion Range		Standard Spool Put-Ups		Available Colors	Kgs/100m
				Min.	Max.	Bulk Spool	Shop Spool		
CARBON LIGHT	6,4mm	CAL0.25BK	0,3mm	3,2mm	7,9mm	152,4m	30,5m	Black	0,57
	12,7mm	CAL0.50BK	0,3mm	6,4mm	15,9mm	76,2m	15,2m	Black	1,12
	19,1mm	CAL0.75BK	0,3mm	7,9mm	22,2mm	76,2m	15,2m	Black	1,80
	25,4mm	CAL1.00BK	0,3mm	9,5mm	27,0mm	61,0m	15,2m	Black	2,25
	31,8mm	CAL1.25BK	0,3mm	12,7mm	38,1mm	38,1m	7,6m	Black	2,69
	38,1mm	CAL1.50BK	0,3mm	15,9mm	44,5mm	30,5m	7,6m	Black	3,36
CARBON MEDIUM	50,8mm	CAL2.00BK	0,3mm	19,1mm	55,5mm	30,5m	7,6m	Black	4,05
	12,7mm	CAN0.50BK	0,5mm	6,4mm	15,9mm	76,2m	15,2m	Black	1,80
	19,1mm	CAN0.75BK	0,5mm	7,9mm	22,2mm	76,2m	15,2m	Black	2,69
	25,4mm	CAN1.00BK	0,5mm	11,1mm	27,0mm	61,0m	15,2m	Black	3,60
	31,8mm	CAN1.25BK	0,5mm	14,3mm	38,1mm	38,1m	7,6m	Black	4,49
	38,1mm	CAN1.50BK	0,5mm	19,1mm	44,5mm	30,5m	7,6m	Black	5,39
CARBON HEAVY	50,8mm	CAN2.00BK	0,5mm	22,2mm	55,5mm	30,5m	7,6m	Black	6,73
	63,5mm	CAN2.50BK	0,5mm	27,0mm	76,2mm	30,5m	7,6m	Black	8,08
	19,1mm	CAH0.75BK	0,8mm	9,5mm	22,2mm	76,2m	15,2m	Black	4,05
	25,4mm	CAH1.00BK	0,8mm	12,7mm	27,0mm	61,0m	15,2m	Black	5,39
	31,8mm	CAH1.25BK	0,8mm	17,5mm	38,1mm	38,1m	7,6m	Black	7,19
	38,1mm	CAH1.50BK	0,8mm	20,6mm	44,5mm	30,5m	7,6m	Black	8,08
50,8mm	CAH2.00BK	0,8mm	25,4mm	55,5mm	30,5m	7,6m	Black	10,79	
63,5mm	CAH2.50BK	0,8mm	31,8mm	76,2mm	30,5m	7,6m	Black	13,53	
76,2mm	CAH3.00BK	0,8mm	38,1mm	88,9mm	15,2m	7,6m	Black	16,18	

### Carbon Fiber Sleeve For High Strength Tubular Structures

Fabricators know that resin coated carbon fiber structures are stronger and lighter than virtually any other construction types. Carbon Fiber (CA) construction techniques are appearing in everything from state-of-the-art military and aerospace airframes to hockey sticks, fishing rods and model cars.

Our Carbon Fiber braided sleeving provides a strong, biaxial carbon fiber matrix for stiff, lightweight tubular structures up to 3" in diameter without seams or overlap. The tightly braided thick flexible sleeving will form itself to accommodate elliptical or asymmetrical profiles and provide the full coverage required for radial stability and torsional strength or hand tools.

- Colors Available:  
Black (BK)



- Carbon fiber constructions can be cut, drilled, sanded and tooled with commonly available power or hand tools. Can be painted or left with the braid structure exposed.





## ABRASION FLAMMABILITY

**Abrasion Resistance**  
**Low**

Rating \_\_\_\_\_ Non Flammable

**Abrasion Test Machine**  
**Taber 5150**

**Abrasion Test Wheel**  
**Calibrase H-18**

**Abrasion Test Load**  
**500g**

**Room Temperature**  
**70°F**

**Humidity**  
**59%**

**Visible Moderate Wear**  
**20 Test Cycles**

**Material Completely  
Worn Through**  
**Material Destroyed**  
**40 Test Cycles**

**Pre-Test Weight**  
**3 450,9 mg**

**Post-Test Weight**  
**2 551,7 mg**

**Test End Loss Of Mass**  
**Point Of Destruction**  
**899,2 mg**

## CHEMICAL RESISTANCE

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

Esters/Ketones \_\_\_\_\_ 1  
UV Light \_\_\_\_\_ 2

## PHYSICAL PROPERTIES

Monofilament Diameter \_\_\_\_\_ NA  
ASTM D-204

Recommended Cutting \_\_\_\_\_ Scissor  
Colors \_\_\_\_\_ 1

Wall Thickness \_\_\_\_\_ 0,3mm - 0,8mm

Specific Gravity \_\_\_\_\_ 1,75-1,85  
ASTM D-792