



FLEXO® F6®

FLEXIBLE, SEMI-RIGID WRAPPABLE SPLIT BRAIDED TUBE · 25% EDGE OVERLAP CHEMICALLY INERT · QUIET IN HIGH VIBRATION APPLICATIONS

The unique split, semi-rigid braided construction of F6® makes it the ideal solution for situations where ease of installation is of primary importance. The lateral split allows the tube to open up to accommodate a wide variety of bundling requirements, and the semi-rigid braid configuration simply closes around the entire installation without the need for any additional fasteners (Velcro, tape, etc.) The PET braid is lightweight, quiet and flexible. The 25% edge overlap (at nominal diameter) allows coverage around inline plugs, connectors and splices. F6® will bend to a tight radius without distorting or splitting open and, unlike full rigid tubing, will not impair or affect the flexibility of harnesses.

SIZING CHART

Nominal Size	Part #	Wall Thickness	Monofilament Diameter	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	F6N0.13	.024"	.008"	400'	1,000'	BK,OR,PG,CW	0.47
1/4"	F6N0.25	.025"	.010"	200'	500'	7	0.60
3/8"	F6N0.38	.025"	.010"	150'	300'	7	1.20
1/2"	F6N0.50	.025"	.010"	150'	300'	7	1.40
3/4"	F6N0.75	.025"	.010"	100'	200'	7	1.60
1"	F6N1.00	.038"	.015"	50'	100'	7	2.00
1 1/4"	F6N1.25	.038"	.015"	50'	75'	7	2.40
1 1/2"	F6N1.50	.038"	.015"	50'	75'	7	2.70
2"	F6N2.00	.038"	.015"	50'	75'	7	3.60

*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



FEATURES

Material	Polyethylene Terephthalate
Grade	F6N
Monofilament Diameter	.008-.015"
Drawing Number	TF001F6-WD
Cutting	Hot Knife

COLORS



Black (BK), Orange (OR), Platinum Gray (PG), Clear/White (CW), White (WH), Yellow (YL), Blue (BL)

CERTIFICATIONS





ABRASION

Abrasion Resistance	HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	80°F
Humidity	74%
A Few Strands Beginning To Pull Out Of Sample	500 Test Cycles
Significant Wear Is Visible	1,200 Test Cycles
Material Destroyed	1,950 Test Cycles
Pre-Test Weight	5,365.1 mg
Post-Test Weight	4,850 mg
Test End Loss Of Mass Point Of Destruction	515.1 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	.008"-.015"
Flammability Rating	UL94
Recommended Cutting	Hot Knife
Colors	5
Wall Thickness	.024"-.038"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	6-10
Specific Gravity (ASTM D-792)	1.38
Moisture Absorption % (ASTM D-570)	.1-2
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	.19
CVCM	.00
WVR	.16
Smoke D-Max (ASTM E-662)	56
Outgassing	Medium
Oxygen Index (ASTM D-2863)	21

FLAMMABILITY

Rating (FMVSS 302 and SAE J369)	UL94V0
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	482°F / 250°C
Maximum Continuous (Mil-I-23053)	257°F / 125°C
Minimum Continuous (Mil-I-23053)	-94°F / -70°C

CHEMICAL RESISTANCE

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

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water (O-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/Ketones	1
UV Light	1
Petroleum	1
Fungus (ASTM G-21)	1
Halogen Free	Yes
RoHS	Yes
SVHC	None