


Flame spread is a vital safety consideration in applications as diverse as home built aircraft wiring for safely managing sound & lighting cables at clubs, concerts and theaters. To accommodate these issues and to provide unequaled flexibility and access, we have developed this unique sleeving product. MFR self-extinguishing fully complies with UL standard VW-1. The addition of an organic flame inhibitor to our triaxially braided split sleeving provides the perfect solution to a wide range of cable management needs. Easy slip over installation, complete access along the entire run, economy, durability and UL certified flame retardant make MFR ideal when the goal is to manage wires and cables safely and effectively.



- VW-1, FAR 25
- Easy, cost and labour effective wraparound installation
- More flexible than spiral wrap of split convoluted tubing
- 25% edge overlap
- Resists chemicals & solvents
- Cut and abrasion resistant
- Colour: Black w/ White tracer (TB)



TYPE	COLOUR
<b>MFR0.38TB.30</b>	<b>PU</b>
NW	PU

	<b>Melt Point</b>
	ASTM D-2117 446°F (230°C)
	<b>Maximum Continuous</b>
	Mil-I-23053 257°F (125°C)
	<b>Minimum Continuous</b>
	-94°F (-70°C)



Specifications are subject to change without notice

Order Number	Nominal Width		Wall Thickness		Weight		Standard Spool Put-Ups [Box B]	
	(NW)	(mm)	(in)	Kg/100m	Lbs/100'	(M)	(F)	
MFR0.13TB.30	1/8"	0.61	0.024"	0.30	0.20	30	100	
MFR0.25TB.30	1/4"	0.64	0.025"	0.89	0.60	30	100	
MFR0.38TB.22	3/8"	0.64	0.025"	1.78	1.20	22	75	
MFR0.50TB.22	1/2"	0.64	0.025"	2.08	1.40	22	75	
MFR0.75TB.15	3/4"	0.64	0.025"	2.38	1.60	15	50	
MFR1.00TB.15	1"	0.97	0.038"	2.97	2.00	15	50	
MFR1.25TB.7.5	1 1/4"	0.97	0.038"	3.57	2.40	7.5	25	
MFR1.50TB.7.5	1 1/2"	0.97	0.038"	4.01	2.70	7.5	25	
MFR2.00TB.7.5	2"	0.97	0.038"	5.35	3.60	7.5	25	

## Abrasion Test Data

- Abrasion resistance: **High**
- Abrasion test machine: **Taber 5150**
- Abrasion test wheel: **Calibrase H-18**
- Abrasion test load: **500g**
- Room temperature: **70°F**
- Humidity: **63%**
- Slight scuffing visible: **500 test cycles**
- Visible wear & five broken filaments: **1,200 test cycles**
- Material wear out: **1,600 test cycles**
- Pre-test weight: **3,469.8 mg**
- Post-test weight: **3,114.0 mg**
- Test end loss of mass point of destruction: **355.8 mg**

## Physical Properties

- Monofilament diameter *ASTM D-204*: **.008-.015**
- Flammability rating *FMVSS-302 Approved*: **VW-1**
- Recommended cutting: **Scissors / HK**
- Colours: **1**
- Wall thickness: **.024-.038**
- Tensile strength *ASTM D-2256 Lbs (Yarn)*: **4-6.5**
- 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 **.04**  
WVR **.06**
- Smoke D-Max *ASTM E-662*: **275**
- Outgassing: **Med**
- Oxygen index *ASTM D-2863*: **31**

### MFR - Chemical Resistance Index

	5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 No Effect
Aromatic Solvents					
Aliphatic Solvents					
Chlorinated Solvents					
Weak Bases					
Salts					
Strong Bases					
Salt Water 0-S-1926					
Hydraulic Fluid MIL-H-5606					

	5 Severely Affected	4 More Affected	3 Affected	2 Little Effect	1 No Effect
Lube Oil MIL-L-7808					
De-Icing Fluid MIL-A-8243					
Strong Acids					
Strong Oxidants					
Esters/Ketones					
UV Light					
Petroleum					
Fungus ASTM G-21					