

# AEROSPACE LACING TAPE

**Your Single Source for Top Quality,  
Value Added Wire Harnessing Products**



**Providing the Highest Quality Products  
for Technical and Industrial Use**



**Grand Junction, CO, USA**

**970-241-8780**



# A-A-52080

(Formerly MIL-T-43435B Type I)

Nylon Lacing Tape braided with high tenacity nylon (polyamide) yarns and impregnated with the required finish. The approximate operating temperature range is -67°F (-55°C) to 325°F (162°C). Standard colors: Natural and Black; Special colors are available on request.

Western Filament Part Number	Mil Spec Size	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
NOF150	1	.200	.016	135	250
NOF80	2	.110	.015	80	250
NOF50	3	.085	.014	50	500
NOF35	4	.060	.012	25	500
NOF25	5	.050	.010	15	500
NOF15	6	.040	.012	15	500

Available Finishes



# A-A-52081

(Formerly MIL-T-43435B Type II)

Polyester Lacing Tape braided with high tenacity polyester yarns and impregnated with the required finish. Approximate operating temperature range is -100°F (-73°F) to 350°F (177°C). Standard colors: Natural and Black; Special colors are available on request.

Western Filament Part Number	Mil Spec Size	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
DOF145	1	.200	.016	135	250
DOF80	2	.110	.015	80	250
DOF50	3	.085	.014	50	500
DOF35	4	.060	.012	25	500
DOF20	5	.050	.010	15	500
DOF15	-	.040	.012	15	500

Available Finishes



# A-A-52082

(Formerly MIL-T-43435B Type III)

Teflon Lacing Tapes braided with Teflon (TFE-fluorocarbon) yarns. Recommended for hard vacuum/low outgassing applications and is highly resistant to fuels and chemicals. Available either uncoated or with synthetic rubber to improve knot strength properties. Approximate operating range is -100°F (-73°C) to 450°F (232°C). Standard color: Natural (Dark Brown).

Western Filament Part Number	Mil Spec Size	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
TOF35	2	.120	.011	30	250
TOF15	4	.065	.011	15	500

Available Finishes



# A-A-52083

(Formerly MIL-T-43435B Type IV)

Teflon Coated Fiberglass Lacing Tape braided with glass yarns individually coated with Teflon (Tetra fluoro carbon) MIL-Spec D finish prior to braiding. An additional coating must be specified if knot holding or fray resistance is required. Recommended for high temperature and hard vacuum/low outgassing applications. Approximate operating range is -100°F (-73°C) to 800°F (427°C) Standard color: White. Black is also available upon request.

Western Filament Part Number	Mil Spec Size	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
LOF275	1	.225	.016	200	250
LOF190	2	.110	.016	100	250
LOF100	3	.085	.016	75	500
LOF60	4	.060	.016	50	500
LOF50	5	.50	.016	-	500

Available Finishes



# A-A-52084

(Formerly MIL-T-43435B Type V)

Nomex Lacing Tape braided with high temperature Nomex® aramid fibers and impregnated with the required finish. Approximate operating range is -100°F (-73°C) to 500°F (260°C). Standard color: Natural. Other colors available upon request.

Western Filament Part Number	Mil Spec Size	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
HOF130	1	.200	.016	85	250
HOF70	2	.110	.014	50	250
HOF40	3	.075	.012	35	500
HOF30	4	.055	.010	25	500
HOF20	-	.040	.008	15	500

Available Finishes



Western Filament Part Number	Description	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
DOF50RFRWH	50DOF17RFR WHITE	.085	.014	50	500
DOF50RFRBK	50DOF17RFR BLACK	.085	.014	50	500
DOF50RFRBL	50DOF17RFR BLUE	.085	.014	50	500
DOF50RFRBN	50DOF17RFR BROWN	.085	.014	50	500
DOF50RFRGR	50DOF17RFR GREEN	.085	.014	50	500
DOF50RFRGY	50DOF17RFR GREY	.085	.014	50	500
DOF50RFRLB	50DOF17RFR LT. BROWN	.085	.014	50	500
DOF50RFRMG	50DOF17RFR MAGENTA	.085	.014	50	500
DOF50RFROR	50DOF17RFR ORANGE	.085	.014	50	500
DOF50RFRLP	50DOF17RFR PINK	.085	.014	50	500
DOF50RFRPR	50DOF17RFR PURPLE	.085	.014	50	500
DOF50RFRRE	50DOF17RFR RED	.085	.014	50	500
DOF50RFRYE	50DOF17RFR YELLOW	.085	.014	50	500

Western Filament Part Number	Description	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
HOF40RWHTR	40HOF17R WHITE W/TRACER	.075	.012	35	500
HOF40RBKTR	40HOF17R BLACK W/TRACER	.075	.012	35	500
HOF40RBLTR	40HOF17R BLUE W/TRACER	.075	.012	35	500
HOF40RBNTR	40HOF17R BROWN W/TRACER	.075	.012	35	500
HOF40RGRTR	40HOF17R GREEN W/TRACER	.075	.012	35	500
HOF40RGYTR	40HOF17R GREY W/TRACER	.075	.012	35	500
HOF40RLPTR	40HOF17R PINK W/TRACER	.075	.012	35	500
HOF40RMGTR	40HOF17R MAGENTA W/TRACER	.075	.012	35	500
HOF40RORTR	40HOF17R ORANGE W/TRACER	.075	.012	35	500
HOF40RPRTR	40HOF17R PURPLE W/TRACER	.075	.012	35	500
HOF40RRETR	40HOF17R RED W/TRACER	.075	.012	35	500
HOF40RVITR	40HOF17R VIOLET W/TRACER	.075	.012	35	500
HOF40RYETR	40HOF17R YELLOW W/TRACER	.075	.012	35	500

Western Filament Part Number	Description	Width Inches +/- 10%	Thickness +/- 0.003"	Min. Break Strength (lbs)	Spool Size (yds)
HOF70RWHTR	70HOF25R WHITE W/TRACER	.110	.014	50	250
HOF70RBKTR	70HOF25R BLACK W/TRACER	.110	.014	50	250
HOF70RBLTR	70HOF25R BLUE W/TRACER	.110	.014	50	250
HOF70RBNTR	70HOF25R BROWN W/TRACER	.110	.014	50	250
HOF70RRETR	70HOF25R RED W/TRACER	.110	.014	50	250
HOF70RGRTR	70HOF25R GREEN W/TRACER	.110	.014	50	250
HOF70RORTR	70HOF25R ORANGE W/TRACER	.110	.014	50	250
HOF70RLPTR	70HOF25R PINK W/TRACER	.110	.014	50	250
HOF70RPRTR	70HOF25R PURPLE W/TRACER	.110	.014	50	250
HOF70RGYTR	70HOF25R GREY W/TRACER	.110	.014	50	250
HOF70RVITR	70HOF25R VIOLET W/TRACER	.110	.014	50	250
HOF70RYETR	70HOF25R YELLOW W/TRACER	.110	.014	50	250

Mill Spec. Finish Designation	Western Filament Designation	Coating Type	% Coating (by weight)
<b>A</b>	<b>X</b>	Uncoated	0
<b>B</b>	<b>W</b>	Wax	15-32
<b>C</b>	<b>G</b>	Synthetic Rubber (std)	7-17
	<b>R</b>	Synthetic Rubber for thermal vacuum stability requirement	
<b>D</b>	<b>D</b>	Yarns impregnated with Teflon before braiding	10-20
<b>E</b>	<b>A</b>	Vinyl Chloride	15-30
<b>F</b>	<b>S</b>	Silicone resin	7-17
<b>G</b>	<b>N</b>	Liquid Nylon	4-14

## BMS 13-54

Polyester Lacing Tape

Type I, Grade B, Finish C, Class 1

Size: 85/14

Colors: Brown, Black, White, Pink, Purple, Green, Orange, Pink, Red, Blue, Yellow, Magenta, and Grey: Special colors are available on request.

## BMS 13-54

Nomex Lacing Tape

Type III, Grade D, Finish C, Class 1

With Cross Tracer

Size: 75/12

Colors W/ Tracer: Brown, Black, White, Pink, Purple, Green, Orange, Pink, Red, Blue, Yellow, Magenta, Violet, Purple, and Grey: Special colors are available on request.

## BMS 13-54

Nomex Lacing Tape

Type III, Grade D, Finish C, Class 1

With Cross Tracer

Size: 110/14

Colors W/ Tracer: Brown, Black, White, Pink, Purple, Green, Orange, Pink, Red, Blue, Yellow, Violet, Purple, and Grey: Special colors are available on request.

## A-A-520XX Coatings & Finishes Available

How to Order:

EXAMPLE: AA52080-C-3 Bk

W.F. Part #	Coating	Color
Type 1/Size 3	Finish C	Color Black
<b>50NOF17</b>	<b>G</b>	<b>Bk</b>

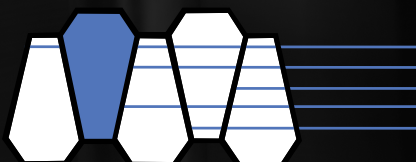
# Quality Since 1938



At Western Filament, we are dedicated to revolutionizing fiber applications through our exceptional range of products and cutting-edge capabilities. Since 1938, we have been a leader in the development and manufacturing of synthetic, high-performance fiber products used across a multitude of markets. Our guiding light is our Quality Management System, which incorporates our ISO 9001, ISO 13485, and AS9100 certifications. This all comes together to give us the shortest lead times in the market and the highest possible quality.



Our products are manufactured on new equipment custom designed and built with the latest technology in a 55,000-square-foot facility located in Western Colorado. That equipment includes more than 2,500 braiders—ranging in size from 3 carriers up to 120 carriers—along with technical twisters, package dyeing, and linear coating systems, to name a few.



**western filament®**

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