



DURA FLEX

INDUSTRIAL HOSE AND CABLE PROTECTION FOR HARSH ENVIRONMENTS DEFLECTS HIGH PRESSURE HOSE RUPTURES · RESISTS SNAGGING

The tightly woven nylon makes Dura Flex the perfect solution for hose & cable protection. The .045 inch wall thickness will protect cables, hoses and ropes from weather, sunlight and abrasion damage. When installed over uncoated cable or chains, DF will prevent scraping, chafing and contact damage to painted or other fragile surfaces. DF is resistant to chemicals, UV damage and rot, and is suitable for continuous outdoor use under all weather conditions. The flexible sleeving cuts with a scissor and the tight construction slides easily over any application.

SIZING CHART

Nominal Size	Part #	Wall Thickness	*Put-Ups			Available Colors	Lbs/100'
			M	L	XL		
0.71	DFN0.71BK	.045"	50'	100'	300'	1	2.57
0.83	DFN0.83BK	.045"	50'	100'	300'	1	2.58
0.92	DFN0.92BK	.045"	50'	100'	300'	1	3.22
1.00	DFN1.00BK	.045"	50'	100'	300'	1	3.66
1.13	DFN1.13BK	.045"	50'	100'	300'	1	4.18
1.25	DFN1.25BK	.045"	50'	100'	300'	1	4.49
1.34	DFN1.34BK	.045"	50'	100'	300'	1	4.84
1.59	DFN1.59BK	.045"	50'	100'	300'	1	5.37
1.75	DFN1.75BK	.045"	50'	100'	300'	1	6.13
2.07	DFN2.07BK	.045"	50'	100'	300'	1	7.26
2.38	DFN2.38BK	.045"	50'	100'	300'	1	8.28
2.54	DFN2.54BK	.045"	50'	100'	300'	1	8.98
2.86	DFN2.86BK	.045"	50'	100'	300'	1	9.89
3.34	DFN3.34BK	.045"	25'	50'	300'	1	11.59
3.66	DFN3.66BK	.045"	25'	50'	300'	1	12.25

*Put-Ups: "M" = Shop Spool, "L" = Bulk Spool, and "XL" = Maxi Coil



FEATURES

Material	Nylon
Grade	DFN
Wall Thickness	.045"
Drawing Number	TF001DF-WD
Cutting	Scissors

COLORS



Black (BK)

CERTIFICATIONS





ABRASION

Abrasion Resistance	VERY HIGH
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	80°F
Humidity	70%
Visible Wear & Some Pulling Of Fibers	500 Test Cycles
Material Wearing Through At Seam	2,750 Test Cycles
Material Destroyed	3,500 Test Cycles
Pre-Test Weight	7,191.6 mg
Post-Test Weight	6,680.7 mg
Test End Loss Of Mass Point Of Destruction	510.9 mg

PHYSICAL PROPERTIES

Monofilament Diameter (ASTM D-204)	NA
Flammability Rating	
Recommended Cutting	Scissors
Colors	1
Wall Thickness	.045"
Tensile Strength (Yarn) (ASTM D-2256 Lbs)	
Specific Gravity (ASTM D-792)	1.14
Moisture Absorption % (ASTM D-570)	2.7
Hard Vacuum Data (ASTM E-595 at 10-5 torr)	
TML	1.1
CVCM	.01
WVR	.69
Smoke D-Max (ASTM E-662)	
Outgassing	High
Oxygen Index (ASTM D-2863)	22

FLAMMABILITY

Rating	
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OPERATING TEMPERATURES

Melt Point (ASTM D-2117)	410°F / 210°C
Maximum Continuous (Mil-I-23053)	248°F / 120°C
Minimum Continuous (Mil-I-23053)	-49°F / -45°C

CHEMICAL RESISTANCE

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

Aromatic Solvents	1
Aliphatic Solvents	1
Chlorinated Solvents	1
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	5
Strong Oxidants	5
Esters/Ketones	1
UV Light	2
Petroleum	3
Fungus (ASTM G-21)	2
Halogen Free	Yes
RoHS	Yes
SVHC	