Bulk tubular non-metallic braid for wire harness protection

Non-Metallic Shielding
INDUSTRY-STANDARD • HIGH-TEMPERATURE

102-001 and -002 expandable polyethylene tubular braid

EXPANDABLE POLYETHYLENE TUBULAR BRAID, WHITE (-001) AND BLACK (-002)

-001 White

-002 Black

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- **Monofilament polyethylene tubular braid**
- **-55° to +125°C temperature range**
- **50,000 PSI yield tensile strength**
- **20% elongation**
- **Good chemical resistance**
- **Good abrasion resistance**

How To Order				
Sample Part Number	**102-001**	**-008**	**R**	**-645**
Basic No.	**102-001** white polyethylene braid **102-002** black polyethylene braid (see Table I)			
Braid Diameter No.	See Table II			
Tracer color option	**G** = green **W** = white **R** = red **Y** = yellow **Omit** for none			
Split braid option (-002 only)	**-645** (add to 102-002 black braid part number only)			

Table I

Product Series	Color	Material	Material Dia.	Wall Thickness Nominal	Temperature Range
102-001	White	Polyethylene Terephthalate	.010 (0.25)	.025 0.6)	-65°F [-54°C] to +250°F [+121°C]
102-002	Black				

Table II

Dash No.	Ø Nom.	Ref. wire bundle range		Approx. Weight (grams/ft.)	Wall thickness (nominal)
		Min	Max		
-004	.125 (3.2)	.090 (2.3)	.250 (6.4)	.7	.025 (0.6)
-006	.188 (4.8)	.109 (2.8)	.318 (8.1)	1.0	
-008	.250 (6.4)	.125 (3.2)	.375 (9.5)	1.4	
-012	.375 (9.5)	.312 (7.9)	.500 (12.7)	1.9	
-016	.500 (12.7)	.375 (9.5)	.750 (19.1)	3.0	
-020	.625 (15.9)	.375 (9.5)	1.000 (25.4)	3.1	
-024	.750 (19.1)	.500 (12.7)	1.250 (31.8)	3.3	
-032	1.000 (25.4)	.625 (15.9)	1.375 (34.9)	5.8	
-040	1.250 (31.8)	.750 (19.1)	1.500 (38.1)	7.0	
-048	1.500 (38.1)	.781 (19.8)	1.750 (44.5)	8.4	
-056	1.750 (44.5)	.859 (21.8)	1.938 (49.2)	10.1	
-064	2.000 (50.8)	.937 (23.8)	2.187 (55.5)	12.6	

Ideally suited for applications as diverse as rail transportation, marine, and military vehicles, our 102-001 and -002 polyethylene tubular braid is an economical choice with good general-purpose chemical and abrasion resistance. The monofilament material offers wide expandability for quick and easy installation over cable bundles and connectors.

NOTES

1. Material - polyethylene terephthalate, .010 (0.25) dia.
2. Temperature range -54°C to +125°C

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Dimensions in Inches (millimeters) are subject to change without notice.