

# BRAIDED WIRE PROTECTION

## Bulk tubular non-metallic braid for wire harness protection

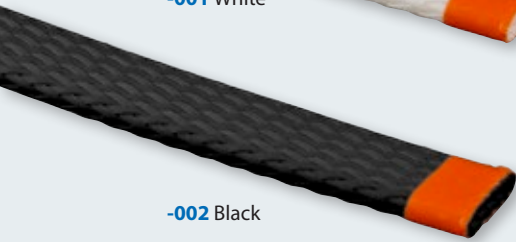


### 102-001 and -002 expandable polyethylene tubular braid

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



-001 White



-002 Black



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

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

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

