

# BRAIDED WIRE PROTECTION

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

### 102-020, -021, -022, and -023 expandable Halar®



#### 102-020, -021, -022 AND -023 HALAR® EXPANDABLE NON-METALLIC TUBULAR BRAIDED SLEEVING



**102-020**  
White with black tracer

**102-021**  
Black

**102-022**  
Black with white tracer

**102-023**  
White

How To Order			
Sample Part Number	102-021	-008	-645
Basic No.	102-020 White with black tracer 102-021 Black 102-022 Black with white tracer 102-023 White		
Braid Diameter No.	See Table I		
Split braid option	-645 add mod code for split braid		

Table I						
Dash No.	Nominal I.D.	Ref. wire bundle range		Material Dia.	Wall Thickness Nominal	Spec max weight lbs. / 100 ft. [Kg/30.5m]
		Min	Max			
-004	.125 (3.2)	.090 (0.25)	.250 (6.4)	.011 (0.28)	.030 (0.8)	.29 (0.13)
-008	.250 (6.4)	.125 (0.25)	.375 (9.5)			.39 (0.18)
-012	.375 (9.5)	.250 (6.4)	.625 (15.9)			
-016	.500 (12.7)	.250 (6.4)	.750 (19.1)			1.17 (0.53)
-020	.625 (15.9)	.375 (9.5)	1.000 (25.4)			1.50 (0.68)
-024	.750 (19.1)	.500 (12.7)	1.250 (31.8)			1.81 (0.82)
-032	1.000 (25.4)	.625 (15.9)	1.375 (34.9)			
-040	1.250 (31.8)	.750 (19.1)	1.500 (38.1)			2.56 (1.16)
-048	1.500 (38.1)	.781 (19.8)	1.750 (44.5)			
-064	2.000 (50.8)	.937 (23.8)	2.125 (54.0)			



- Monofilament Halar® tubular braid
- -65° to +150°C temperature range
- 7,000 PSI yield tensile strength
- 15% elongation
- Excellent chemical resistance
- Excellent abrasion resistance
- Very low flammability



*Halar® is a self-extinguishing tubular braided sleeving used for mid-range temperature applications. Halar® is chemically resistant to corrosive liquids including organic solvents, and has been successfully applied to applications from nuclear power plants to premise wire interconnect protection systems.*

#### NOTES

1. Material - Halar®
2. Maximum operating temperature +150°C
3. Minimum order length is 100 ft. (30.5m)