



A division of CSA Technical Solutions, LLC
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Halar Expandable Braided Sleeving

Expandable braided sleeving is very similar to those "Chinese Finger Cuffs" that we've all gotten our fingers stuck in.. When you push the end back, the sleeving expands to go over wires easily, and then when you let go, the sleeving comes back to its original diameter (or the diameter of your wire harness or bundle, whichever is larger).

Ethylene-Chlorotrifluoroethylene (E-CTFE) is sold under the tradename Halar. It is a highly chemical resistant material with excellent thermal stability, high moisture resistance, and very low outgassing. Because of its low smoke generation during a fire, it has been found suitable for plenum applications. Halar has also been approved by NASA for use in the space program due to its low outgassing.

Halar Braided Sleeving is used in aerospace, military, fiber optic, and construction applications because of its high fire retardancy, low smoke generation, and low outgassing properties. Halar is a very cost effective alternative to Teflon because of these properties, and its high temperature resistance.

Features:

- Made from 0.011" (11 mil) Halar® (E-CTFE) Ethylene-Chlorotrifluoroethylene copolymer monofilament
- Chemically inert, thermally stable
- High Dielectric strength
- Superior chemical, gas and moisture resistance
- Continuous temperature rating 150°C
- Plenum rated material UL2024 (formerly UL910) and NFPA262
- RoHS Compliant
- UL VW-1 Fire Retardant.
- Abrasion and cut resistant
- Low out-gassing, suitable for plenum applications
- Limiting Oxygen index (LOI): 64%
- Excellent cut through and abrasion resistance
- Continuous use temperature of -70°C to 150°C (-103°F to 302°F)
- Melt temperature of 240°C (464°F)
- Expands up to three times its resting diameter
- Registered in the NASA database for low outgassing (under CS Technical as manufacturer)
- Color Options Available (call or email request):
 - Black with white tracers
 - White with Black tracers
 - Solid black
 - Solid White

Dimensions

Part Number	Diameter	Feet	Expansion Min	Expansion Max
BSHR0125	1/8"	1000 FT/SPOOL	3/32"	1/4"
BSHR025	1/4"	1000 FT/SPOOL	1/8"	3/8"
BSHR0375	3/8"	500 FT/SPOOL	3/16"	5/8"
BSHR050	1/2"	500 FT/SPOOL	1/4"	3/4"
BSHR075	3/4"	250 FT/SPOOL	1/2"	1 1/4"
BSHR125	1-1/4"	250 FT/SPOOL	3/4"	1 3/4"
BSHR200	2"	250 FT/SPOOL	1 1/4"	3"