



A division of CSA Technical Solutions, LLC
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[Bentley Harris Expando HR | BuyHeatShrink®](#)

Halar expandable braided sleeving is widely used in Space applications, where flame retardancy at elevated oxygen levels is required. Due to its low smoke generation, low outgassing and very high LOI, Halar is a great alternative to PTFE sleeving at a fraction of the cost.

Features:

- Made from 0.011" (11 mil) Halar® (E-CTFE) Ethylene-Chlorotrifluoroethylene copolymer monofilament
- Identified by a single contrasting tracer that wraps around the sleeve in a spiral fashion.
- 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
- Expando HR Plus contains a patented fray resistant treatment.
- Self Extinguishing - please click here to see the definition of LOI, and how it relates to the burning of materials
- FAR Part 25 flame rated

Dimensions

Part Number	Diameter	Feet	Expansion min	Expansion Max
BSBHHR-0125	1/8"	2000 FT/SPOOL	3/32"	1/4"
BSBHHR-025	1/4"	1000 FT/SPOOL	1/8"	3/8"
BSBHHR-050	1/2"	500 FT/SPOOL	1/4"	3/4"
BSBHHR-075	3/4"	500 FT/SPOOL	1/2"	1 1/4"
BSBHHR-125	1-1/4"	250 FT/SPOOL	3/4"	1 3/4"
BSBHHR-175	1-3/4"	250 FT/SPOOL	1"	2 3/4"