

Varspan Sleaving

Expandable Polyester Monofilament Sleaving

(-70° to +125°C)

Expandable Halar® Monofilament Sleaving

(-70°C to +150°C)

Description

Varspan expandable monofilament sleeveings are designed to provide mechanical protection to wires, cables, harnesses, hydraulic lines, tubes, hoses, etc., as well as to components of both regular and irregular shapes. Their ability to expand to two or three times their original ID allows for ease of application and their "open-weave" braid construction, which will not trap heat or moisture, results in a cost-effective bulk/weight ratio.

Varspan is available as an expandable polyester monofilament sleaving, in three types, or as an expandable Halar® E-CTFE (ethylene chlorotrifluoro ethylene) monofilament sleaving.

Varspan Sleaving made with expandable polyester-monofilaments is offered in both general purpose (Varspan GP) and flame-retardant (Varspan FR) yarns. The general purpose version of Varspan is also available in heavy duty (Varspan HD) which is braided with a thicker .015" polyester-monofilament strand for applications where additional abrasion and cut-through protection are required. All exhibit good mechanical, chemical, and thermal stability in a temperature range of -70°C to +125°C.

Varspan Sleaving made with expandable Halar® monofilaments is offered as Varspan HT. In addition to being flame retardant, Varspan HT (Halar®) offers superior resistance to most solvents, acids and bases and can be used in higher operating temperatures (-70°C to +150°C) than Varspan GP, FR and HD sleeveings.

Cut with a hot-blade device for frayless ends or turn ends inward.

Applications

All **Varspan Sleeveings** are suitable for military, industrial, marine, aeronautical, transportation, electronic and manufacturing applications where mechanical protection and resistance to chemicals, jet fuel, diesel fuel, gasoline, lubricating oils, solvents, hydraulic fluids, water and salt water are prerequisites and flexibility through a wide- operating temperature range is desired.

Varspan FR offers a higher degree of flame retardation required for special applications.

Varspan HT (Halar®), in addition to flame retardation and its suitability for use at higher operating temperatures than the other Varspan sleeveings, is recommended for use where the sleaving may be exposed to harsher chemicals and more severe environments.

Sizes

Varspan GP and **Varspan FR** - 1/8" through 2-1/2" I.D.

Varspan HD - 3/8" through 3" I.D.

Varspan HT (Halar®) - 1/8" through 2-5/8" I.D.

Standard Colors

Varspan GP - Black, clear, red, orange, yellow, green and gray.

Varspan FR - Black or natural (white) with the flame retardation identified by a criss-cross (diamond) pattern of two contrasting tracer strands.

Varspan HD - Black or natural (white).

Varspan HT - (Halar®) - Black or natural (white) with the flame retardation identified by one contrasting tracer strand.

Standard Packaging

Spools. See reverse side for details®Halar is a registered trademark of Ausmont USA, Inc.

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Varspan Sleeving Typical Properties

Nominal Size	Fits-Min/Max	Weight	Approx. Spool
Varspan GP and Varspan FR			
Nominal Size (in.)	Fits-Min/Max (in.)	Weight (lb./100ft.)*	Approx Spool Length (ft.)
1/8	3/32 – 1/4	0.18	1,000
1/4	1/8 – 3/8	0.27	1,000
3/8	3/16 – 5/8	0.57	500
1/2	1/4 – 3/4	0.74	500
3/4	1/2 – 1-1/4	1.25	250
1	3/4 – 1-1/2	1.59	250
1-1/4	3/4 – 1-1/2	1.59	250
1-1/2	1- 2-1/2	1.96	250
1-3/4	1-1/4 – 2-3/4	2.63	200
2	1-1/2 – 3	3.43	100
2-1/2	1-3/4 – 3-1/2	3.75	100

*Applicable to standard wall thickness of approximately .025"

Varspan HD

Nominal Size (in.)	Fits-Min/Max (in.)	Weight (lb./100ft.)*	Approx Spool Length (ft.)
3/8	3/16 – 3/4	0.83	500
5/8	5/16 – 15/16	1.14	500
1	1/2 – 1-3/8	1.74	250
1-1/2	7/8 – 2	2.57	250
2	1-1/2 – 3	3.48	100
3	2-1/2 – 4-1/2	4.35	50

**Applicable to Varspan HD braided with thicker .015" strands

Varspan HT (Halar®)

Nominal Size (in.)	Fits-Min/Max (in.)	Weight (lb./100ft.)*	Approx Spool Length (ft.)
1/8	3/32 - 1/8	0.25	500
1/4	1/8 - 3/8	0.40	500
1/2	1/4 - 7/8	1.20	500
3/4	1/2 - 1-1/4	1.70	250
1	1/2 - 1-3/8	2.30	250
1-1/4	3/4 - 1-1/2	2.80	250
1-7/8	1-1/4 - 2-1/2	4.00	75
2-5/8	1-3/4 - 3-1/2	6.00	50

***Applicable to standard wall thickness of approximately .025"

Note:

Information contained here is precise and reliable. However, being unique, each end-use should be evaluated to satisfy its specific requirements.



Electrical Insulating Sleeving

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