



ABRASION/MECHANICAL

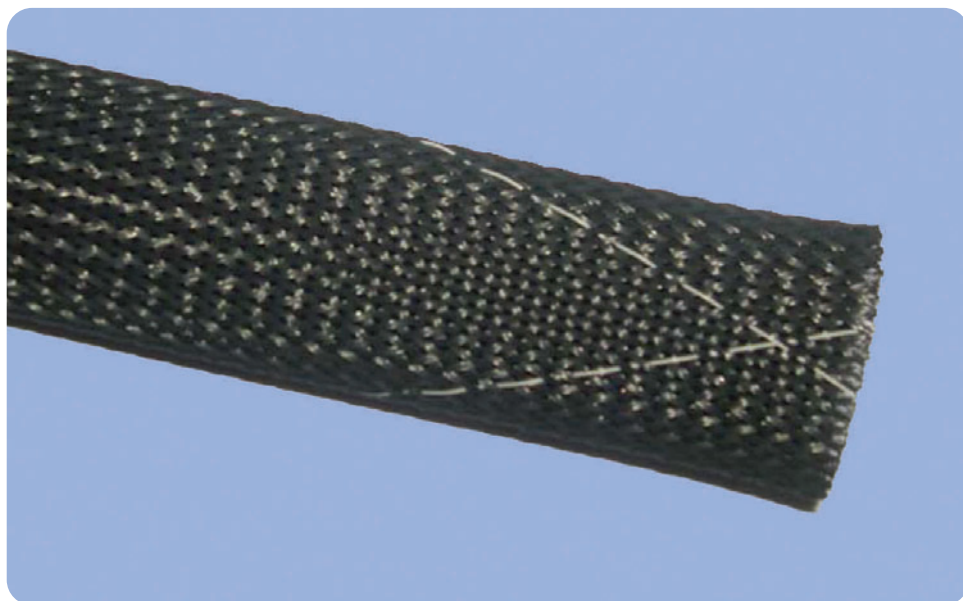
Expando® TCP-V0

Product Highlights

- Working temperature
-50°C to +150°C
(-58°F to +302°F)
- 1 : 2 expansion ratio
- Self extinguishable
- Zero halogen
- UL 94 V0 (raw material)
- Excellent abrasion
resistance

Installation Features

- Flexible
- Bundling solution



Expando® TCP V0 is an expandable braided sleeve manufactured from modified polyester monofilaments classified UL 94 V0 which are offering excellent flame-retardant properties. It is designed for the protection of tubing and the maintenance of wire and cable bundles.

This product has a highly expandable structure which allows for easy installation over long lengths even after the fitting of end connectors. Expando TCP V0 has an expansion ratio which enables a large number of diameters to be covered with a limited range of sizes.

The product is used in a wide range of industries including railway and electrical /
electronical devices.



Our manufacturing sites are certified ISO 9000, QS 9000 or ISO/TS 16949 and ISO 14001

E_EXPTCPVO 10/01/07

BentleyHarris®
Protection Products

Performance Data - Expando® TCP-V0

Property	Test Method	Result
Working temperature		-50°C (-58°F) to +150°C (+302°F)
Fire / Smoke / Toxicity	UL 94 NF 16 101- 16 102 DIN 5510 §2 & 54837 UNI CEI 1170-3 Ed 2005 BS ASTM E 662 – ASTM E 162	Raw material classified V0 I2 F2 Zero halogen S4, SR2, ST2 T = 1,4 Pass
Fluid resistance: – Hydraulic fluids: NATO.0.156	EN 6059-303 Immersion for 24hrs at +70°C (+158°F)	No visible degradation or alteration after being exposed

Product Specifications

Longitudinal shrinkage should be taken into account when utilizing expansion properties of the sleeve.

Description	Recommended Application Range (mm) (in)		Standard Packaging (m) (ft)
	Min Ø	Max Ø	
Expando TCP-V0 3	2 (5/64")	5 (13/64")	200 (656)
Expando TCP-V0 4	3 (1/8")	7 (9/32")	200 (656)
Expando TCP-V0 5	4 (5/32")	8 (5/16")	200 (656)
Expando TCP-V0 6	5 (13/64")	9 (23/64")	200 (656)
Expando TCP-V0 8	6 (1/4")	12 (15/32")	200 (656)
Expando TCP-V0 10	7 (9/32")	15 (19/32")	100 (328)
Expando TCP-V0 12	10 (25/64")	18 (45/64")	100 (328)
Expando TCP-V0 15	12 (15/32")	23 (29/32")	50 (164)
Expando TCP-V0 20	16 (5/8")	28 (1")	50 (164)
Expando TCP-V0 25	21 (53/64")	35 (1-3/8")	50 (164)
Expando TCP-V0 30	26 (1")	45 (1-3/4")	50 (164)
Expando TCP-V0 40	36 (1-1/2")	60 (2-23/64")	50 (164)
Expando TCP-V0 50	45 (1-3/4")	75 (3")	50 (164)

Part Numbering System:

Example:	Description	Size	Color	Quantity
	Expando TCP-V0	4	0/8 (Black with a grey tracer)	200m (656ft)

Availability

Bentley-Harris® Expando TCP-V0 is available in sizes 3 to 50 mm (1/8" to 2"). Standard colors: black with a grey tracer or grey with a black tracer.

Expando TCP-V0 is supplied in spools. Packaging according to GALIA (ODETTE) standard.

All numeric data show average or typical value.

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