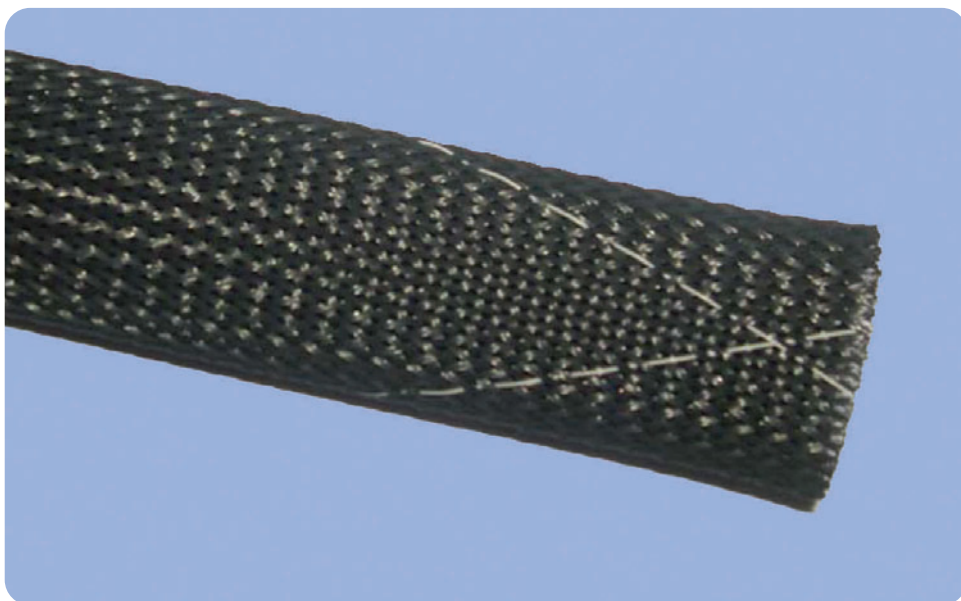# Expando® TCP-V0

Product Highlights

- Working temperature -50ºC to +150ºC (-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 VO 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.

RoHS COMPLIANT

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

BentleyHarris®
Protection Products

FEDERAL MOGUL
Systems Protection

Property	Test Method	Result
Working temperature		-50°C (-58°F) to +150°C (+302°F)
Fire / Smoke / Toxicity	UL 94	Raw material classified V0
	NF 16 101- 16 102	I2 F2
		Zero halogen
	DIN 5510 §2 & 54837	S4, SR2, ST2
	UNI CEI 1170-3 Ed 2005	T = 1,4
	BS	
	ASTM E 662 – ASTM E 162	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)

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.

Part Numbering System:

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

Europe: (33) 3 44 30 39 00
China: (86) 21 5588 0898
Japan: (81) 45 938 8711
USA: (1) 800.926.2472

www.federal-mogul.com/sp

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