



ABRASION/MECHANICAL

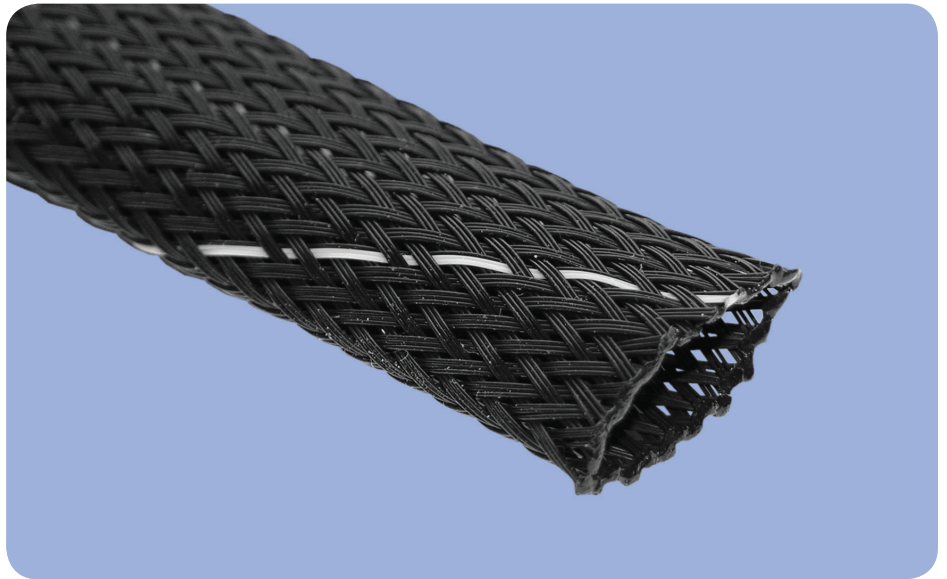
Expando[®] TCP V0

Product Highlights

- Operating 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 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

EXPTCPV0_07242014

BentleyHarris[®]
Protection Products

Performance Data – Expando® TCP V0

Property	Test Method	Result
Operating temperature		-50°C (-58°F) to +150°C (+302°F)
Fire / Smoke / Toxicity	UL 94 NF F 16 101- 16 102 DIN 5510 §2 & 54837 CEI 20-38 ASTM E 662 – ASTM E 162 EN 45545-2	Raw material classified V0 I2 F1 Zero halogen S4, SR2, ST2 T = 1,3 Pass R22 HL3 R23 HL3
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

All numeric performance data shows average or typical values.

Product Specifications

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

Commercial Part Number	Recommended Application Range		Standard Packaging m (ft)	
	Min Ø mm (in)	Max Ø mm (in)	Cardboard Spools	Plastic Spools
Expando TCP V0 5	4 (5/32")	8 (5/16")	200 (656')	1000 (3280')
Expando TCP V0 6	5 (13/64")	9 (23/64")	200 (656')	1000 (3280')
Expando TCP V0 8	6 (1/4")	12 (15/32")	200 (656')	500 (1640')
Expando TCP V0 10	7 (9/32")	15 (19/32")	100 (328')	500 (1640')
Expando TCP V0 12	10 (25/64")	18 (45/64")	100 (328')	500 (1640')
Expando TCP V0 15	12 (15/32")	23 (29/32")	50 (164')	400 (1312')
Expando TCP V0 20	16 (5/8")	28 (1")	50 (164')	400 (1312')
Expando TCP V0 25	21 (53/64")	35 (1-3/8")	50 (164')	400 (1312')
Expando TCP V0 30	26 (1")	45 (1-3/4")	50 (164')	300 (984')
Expando TCP V0 40	36 (1-1/2")	60 (2-23/64")	50 (164')	300 (984')
Expando TCP V0 50	45 (1-3/4")	75 (3")	50 (164')	200 (656')

Availability

Expando TCP V0 is available in sizes 4 to 50 mm (5/32" to 2"). Standard colors: black with a grey tracer or grey with a black tracer.

Expando TCP V0 is supplied on plastic and cardboard spools. Packaging according to GALIA (ODETTE) standard.

Part Numbering System

Example	Product Name	Size	Color	Quantity
	Expando TCP V0	4	0/8 (black with gray tracer)	1000 m (3280 ft)

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