

## Product Highlights

- Operating temperature  
-50°C to +150°C  
(-58°F to +302°F)
- 1 : 2 expansion ratio
- Self extinguishable
- EN 45545-2
- ASTM E-162  
ASTM E-662  
BSS 7239  
SMP 800-C
- Zero halogen
- 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, IATF 16949,  
or AS/EN 9100, ISO 14001  
and ISO 45001 (Selected Sites)

# Performance Data – Expando® TCP V0

Property	Test Method	Result
Operating Temperature		-50°C (-58°F) to +150°C (+302°F)
Fire / Smoke / Toxicity	EN 45545-2 ASTM E 662 – ASTM E 162 SMP 800-C – BSS 7239	R22 HL3 R23 HL3 Pass 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

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

## Product Specifications

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

Commercial Part Number	Recommended Application Range mm (in)		Packaging m (ft)	
	Min Ø	Max Ø	Standard Packaging	Jumbo Packaging
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 5 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	10	0/8 (black with gray tracer)	500 m (1640 ft)



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600  
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