

## Product Highlights

- Working temperature -50°C to +150°C
- Anti-fray treatment allows cold cutting
- 1 : 2 expansion ratio
- Self-extinguishing
- Excellent abrasion resistance
- Easy installation over long lengths



# Expando® PTP

Expando PTP is a highly expandable braided sleeve which is manufactured from modified polyester monofilaments. 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 PTP has a high expansion ratio which enables a large number of diameters to be covered with a limited range of sizes.

The properties of the monofilament ensure excellent performance of this sleeve in the most diverse and aggressive environments.

Expando PTP has a special anti-fray treatment which allows the product to be cut with scissors.

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

## Performance Data

Property	Test	Result
Working temperature		-50°C to +150°C
Ageing	168h at +175°C (ISO R188)	Retains 70% of initial breaking strength
Flame resistance	FMVSS 302 Test method D451333	Pass Self-extinguishing, Type B
Oxygen index at +23°C	NF T 51-071	Mean value: 29
Corrosivity	ASTM D2671 and CEI 684	Pass
Toxicity	NES 713	7.1: no halogen or toxic gas
Fluid resistance ● JP4 airplane fuel, NATO V-40 ● Skydrol 500B hydraulic fluid ● Lubricating oil, NATO.0.156 ● Distilled water, ISO 1817	Immersion for 24h at +70°C	Retains 95% of its initial breaking strength

## Product Specifications

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

Description	Recommended application range (mm)		Standard Packaging (m)
	Min. Ø	Max. Ø	
Expando PTP 5-0	3	8	200
Expando PTP 10-0	6	13	100
Expando PTP 20-0	12	26	50
Expando PTP 30-0	21	42	50
Expando PTP 40-0	32	50	50

## Availability

Bentley-Harris® Expando PTP is available in sizes of 5 mm to 40 mm. Standard colour is black. Please consult us for other colours.

Expando PTP is supplied on spools or cut to length according to your specifications, following GALIA (Odette) standard packaging.

All numeric data shows average or typical values.

## Part Numbering System

Example:	Description	Size	Colour	Quantity
	Expando PTP	20	0(black)	50 m



Systems Protection Group

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