

PROTECTIVE SLEEVING

Expando® TCP-V0

1:2 Expandable braided sleeving

Applications

Expando TCP-V0 is an expandable braided sleeve manufactured from modified polyester monofilaments classified UL94V0 which offers excellent flame retardant properties. It is designed for the protection of tubing and the maintenance of wire and cable bundles.

TCP-V0 has a highly expandable structure which allows 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 properties of the monofilament ensure excellent sleeve performance in the most diverse and aggressive environments. TCP-V0 is a UL recognised component from and used on a wide range of applications in many industries.

Features & Benefits

- 1:2 expansion ratio
- UL approved
- Halogen-free
- Excellent abrasion resistance
- Easy installation over long lengths

Operating Temperature

- -50°C to +125°C



Note: For further information on the **Expando TCP-V0** product range or assistance with your specific sleeving requirements, please contact **IS-Rayfast**.

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Technical Performance

Properties	Test	Results
Working temperature		-50°C to +125°C
Abrasion resistance	NF F 63-808	Pass
Flame resistance	UL 94	Raw material classified V0
	NF 16 101 – 16 102	12 – FI
		Zero Halogen
	DB DIN 5510 § 2 & 54 837	S4, SR2, ST2 (sizes 6 to 40)
Fluid resistance	Immersion for 24 hours at +70°C	Retains 95% of its initial breaking Strength
• JP4 airplane fuel, NATO V-40		
• Skydrol 500B hydraulic fluid		
• Lubricating oil, NATO.0.156		
• Distilled water, ISO 18177		

Note: Longitude shrinkage should be taken into account when utilizing the full expansion properties of the sleeve.

Expando TCP-V0 Dimensions (all dimensions are in mm's)

Description	Recommended application range (mm)		Standard Packaging (m)	Ordering Description
	Min.	Max.		
Expando TCP-V0 3	2	5	200	TCP-V0-3mm-Colour
Expando TCP-V0 4	3	7	200	TCP-V0-4mm-Colour
Expando TCP-V0 5	4	8	200	TCP-V0-5mm-Colour
Expando TCP-V0 6	5	9	200	TCP-V0-6mm-Colour
Expando TCP-V0 8	6	12	200	TCP-V0-8mm-Colour
Expando TCP-V0 10	7	15	100	TCP-V0-10mm-Colour
Expando TCP-V0 12	10	18	100	TCP-V0-12mm-Colour
Expando TCP-V0 15	12	23	50	TCP-V0-15mm-Colour
Expando TCP-V0 20	16	28	50	TCP-V0-20mm-Colour
Expando TCP-V0 25	21	35	50	TCP-V0-25mm-Colour
Expando TCP-V0 30	26	45	50	TCP-V0-30mm-Colour
Expando TCP-V0 40	36	60	50	TCP-V0-40mm-Colour
Expando TCP-V0 50	45	75	50	TCP-V0-50mm-Colour

Ordering Information

Standard colours: 0 = (Black), 8 = (Grey).

Ordering description: Specify product name, size and colour; **TCP-V0-4mm-0** (0=Black).

Ordering Example: A black protective sleeve capable of covering a 18mm cable diameter is required = **TCP-V0-15mm-0** (0=Black).

A Grey protective sleeve capable of covering a 5mm cable diameter is required = **TCP-V0-4mm-8** (8=Grey).