



PCN

PCN is a flame retardant polyester expandable braided jacket available in a range of 7 high density colours and sizes from 3mm up to 50mm as standard and can be [cut](#) as required. It is used in various industries and home projects for wire and cable organisation and protection as well as branding, identification and colour coding.

This expandable braided sleeve is a lightweight, easy to apply covering that doesn't trap heat or moisture, and can improve overall airflow to increase cooling capabilities of components. It is manufactured from a thicker 0.25mm PET monofilaments allowing for a vibrancy of colour and the fact that it readily expands makes installation efficient even over large diameter transitions and around bends. It also means fewer sizes fit a greater number of applications. Once installed, PCN retracts resulting in a smooth, close fitting sleeve. Popular applications include in the manufacture of audio and other leads/ cables, modding and lighting components as well as more standard industrial applications. Other grades of coloured PET braid are available on enquiry.

Properties	Typical Values	
GENERAL		
Operating temperature	50°C – + 150°C	
Short-term peak temperature	Up to 175°C	
Melt temperature	240°C	
Monofilament thickness	0.25mm	
THERMAL		
Flammability	Self -extinguishing, V-2	FMVSS 302, UL94 on compound
CHEMICAL		
Chemical resistance	Unaffected by most chemicals	D47 1924
Toxicity	Halogen free	
Opacity	Low smoke density	

TECHNICAL DATA

- **OPERATING TEMPERATURE**
-50°C+ 150°C
- **FLAME RETARDANT**
Yes
- **COLOURS**
Red, yellow, white, Blue, Green, Orange, Violet, Other colours available upon request
- **SIZES**
3mm – 50mm
- **PACKING**
Reels, mini-reels, mini-packs, cut to length, cut sleeves
- **APPROVALS**
UL approved, RoHS Compliant
- **APPLICATIONS / INDUSTRIES**
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Size (mm)	Supplied diameter (mm)	Application range (mm)
3	3.0	1 – 6
6	6.0	3 – 9
8	8.0	5 – 12
10	10.0	7 – 17
12	12.0	8 – 20
15	15.0	10 – 27
20	20.0	14 – 30
25	25.0	18 – 33
30	30.0	20 – 50
35	35.0	25 – 55
40	40.0	30 – 60
45	45.0	35 – 75
50	50.0	40 – 80

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.