

PMGCOMPANY

SPECIALISTS IN HEAT SHRINK TUBING AND CABLE HARNESSING PRODUCTS

Specialist Braided Sleeving & Wrap Products

Wednesday, 09 June 2021

PRODUCT OVERVIEW

Expandable Sleeving

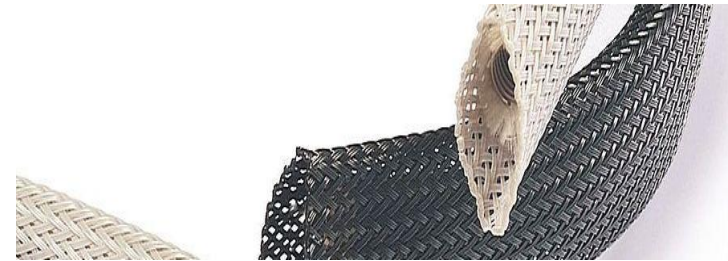
Product Overview – Expandable Sleeving

Product	Markets	Temp	Key Features
PPS Polyester Expandable braid	Automotive – Commercial – Industrial - Rail	-50 to +150°C	Chemical resistant – Flexible – Durable
PPS-FR Polyester high flame retardant expandable sleeving	Aerospace – Military – Automotive – Rail – Communications	-50 to +150°C	Flame retardant – Light Weight – Abrasion resistant
PPS-PA66 Nylon expandable sleeving	Aerospace – Military Ground Vehicles – Rail	-60 to +160°C	Abrasion resistant – Flexible– smooth surface – High temperature

PPS-FR

Polyester Expandable Braid

- PPS-FR is an expandable braided sleeve constructed from a flame retardant PET Material.
- The special braided characteristics allows for the expansion of the inside diameter whilst contracting its length



Key Features

Highly Expandable

Flame Retardant

Zero Halogen

Low Fire Hazard

Markets & Applications

Aerospace

Military

Automotive

Rail

Communications

PRODUCT OVERVIEW

Self Closing Wrap Range

Product Overview – Self Closing Wrap

Product	Markets	Temp	Key Features
PPS-SCW Woven Polyester Self Closing Wrap	Industrial – Automotive – Rail	-50 to +150°C	Lightweight – Flexible - Durable
PPS-OSW Open Structure Self Closing Wrap	Automotive – Rail – Industrial	-50 to +150°C	Easy to Install – Exceptional abrasion resistance – Flame Resistant
PPS-VBW Velcro Braided Wrap	Commercial – Industrial	-50 to +150°C	Easy to Install – Easy to re-open – create cable breakouts
PPS-VSW Velcro Shielded Wrap	Automotive – Rail – Aerospace – Military	-50 to +150°C	EMI Shielding – Noise and Vibration dampening – Abrasion Resistant
PPS-VCT Velcro Cable Tidy	Military – Automotive – Commercial – Industrial – Aerospace – Rail	-50 to +150°C	Excellent Abrasion – Easy to Install – Easy to re-open

Product Overview – Self Closing Wrap

Product	Markets	Temp	Key Features
PPS-ZBW Zipper braided Wrap	Commercial – Rail	-50 to +150°C	Flame Retardant – Abrasion resistant – Easy to install
PPS-ZSW Zipped Shielded Wrap	Aerospace – Military – Defence	-50 to +150°C	EMI/RFI Shielding – ZH – Side Entry – Flexible – Durable
PPS-SSCW Silent Braided Wrap	Automotive – Rail – Industrial	-50 to +150°C	Side Entry design – Noise Reduction – Durable
PPS-BWS Button Wrap Sleeving	Commercial	-15 to +85°C	Wire Bundling & Protection – Allows Wire Breakout

PPS-ZSW

Zipped Shielding Wrap

- Heavy duty polyester filament wrap which overlaps a tinned copper shielding mesh.
- Zipped closure allows side entry installation and easy maintenance and cable re-routing
- Designed primarily to protect against EM/RF Interference



Key Features

EMI protection

Mechanical protection

Abrasion resistance

Halogen free

Side entry

Noise & Vibration dampening

Markets & Applications

Aircraft and fighter jets (cabin)

Military Ground vehicles (cabin)

Ships, boats and trains

Wire and cable bundling

Electrical environments where

interference is a concern

Supplied with built in grounding strap as standard
Also available with a Velcro closing mechanism (PPS-VSW)

PPS-VCT

Velcro Tidy Wrap

- Cable Tidy System that uses a Nylon Velcro Fixing Method to secure and protect wire and cables in a multitude of applications.
- Easy to Install & allows for easy removal and redirection of cables.



Key Features

Excellent Abrasion resistance

Neat & Unobtrusive

Re-Useable

Markets & Applications

Commercial

Industrial

Aerospace

Military

Automotive

PRODUCT OVERVIEW

Specialist Sleeving

Product Overview – Special Sleevings

Product	Markets	Temp	Key Features
PPS-AHRS Aluminium Heat-Reflective Fibre glass sleeving	Automotive – Motorsport – Industrial	N/A	Reflects more than 95% of Radiant Energy
PPS-CFS Copper Foil Shielded Sleevings	Aerospace – Military – Defence – Coms – Medical	-40 to +150°C	Copper Blend Filament – Weight and space saving
PPS-TCS Tinned Copper Shielded Sleevings	Aerospace – Military Ground Vehicles – Rail	-60 to +200°C	EMI/RFI Shielding – Light weight – Low profile
PPS-HSS Heat Shrinkable Braided Sleeve	Automotive – Industrial – Commercial	-40 to +125°C	Easy Installation – Vibration Dampening – Noise Reduction
PPS-HRS Heat-Resistant & Retentive Sleevings	Industrial – Motorsport – Aviation – Marine	-50 to +260°C	Fire-Proof – High Temperature – Self-Extinguishing
PPS-CB Carbon Fibre Braided Sleeve	Military – Defence – Aerospace – Motor Sport	-269 to +650°C	High Temp – Conductive – High Tensile Strength

Product Overview

Product	Markets	Temp	Key Features
PPS-KL Kevlar Braided Sleeving	Military – Defence – Communications – Medical	-170 to +250°C	Tensile Strength – Thermally Stable – Chemical Resistant
PPS-BS Basalt Braided Sleeving	Chemical Plants – Motorsport – Military Vehicles – Space	-269 to +650°C	High Temp – Chemically Inert – Acid and Alkali Resistant
PPS-NOM Nomex™ Braided Sleeving	Military – Defence – Aerospace – Motor Sport	-196 to +350°C	High Temperature – Flame Resistant – Radiation Resistant
PGS-100 Textured Grip Heat-Shrink	Sports Equipment – Gym Equipment	-55 to +105°C	Grip Proof – Sweat Absorption – Cosmetically Improved Appearance
PSR200 Silicone Heat-Shrink	Military – Aerospace – Automotive – Industrial – Medical	-50 to +200°C	Highly Flame Retardant – Good Thermal Insulation – Withstand Sterilization Methods
PPS-AFC Aluminium Flexible Conduit	Automotive – Industrial	-50 to +200°C	Lightweight Construction – Highly Flame Retardant & Flexible

PPS-AHRS

Aluminium Heat Reflective Fibreglass

- Designed by laminating an aluminized metallic heat shielding to a layer of braided fiberglass yarn
- This aluminized fiberglass sleeve reflects more than 95% of the radiant energy that hits its surface
- This keeps the underlying cables, hoses and wires cool.



Key Features

offers protection for industrial wire, hoses, pipes, tubing and equipment that is in proximity to intense radiant heat sources such as liquid molten metals or glass, open flame or engine exhaust manifolds.

Markets & Applications

Automotive
Motors Sports
Military Vehicles

PPS-CFS

Copper Foil Shielded Slewing

- Woven copper foil filament
- Combines benefits of standard monofilament sleeves with optimal metallic content to deliver a 'best of both worlds' performance and weight ratio.
- Benefits vs. conventional Tinned copper braids
 - 25% Weight saving
 - 38% reduced bundle diameter
 - 55% improved flexibility



Key Features

EMI protection

Lower cost product

Low profile and space saving

Abrasion & Cut through resistant

Markets & Applications

Aircraft and fighter jets

Military Ground vehicles

Marine and offshore

Rail and mass transit

PPS-TCS

Tinned Copper Shielded Sleaving

- Manufactured from tinned copper
- Specially designed for wire & cable bundling
- Metallic open weave construction
- Protects against pulling, impact, crushing and torsional forces
- Conforms to unusual shapes and tight bends



Key Features

Low level EMI protection
Low profile and space saving
Abrasion & Cut through resistant
Highly flexible and light weight
Easy installation

Markets & Applications

Aircraft and fighter jets
Military Ground vehicles
Marine and offshore
Rail and mass transit
Technology driven applications

PPS-HSS

heat shrinkable braided sleeving

- Woven heat shrinkable braid
- Specially designed hoses and harnesses
- Polyester multifilament/polyolefin filament construction
- Conforms to unusual shapes and tight bends



Key Features

Vibration dampening

Noise reduction, rattle suppression on rubber hoses , plastic pipes and harnesses

Easy installation on hoses and harnesses that have irregular shapes or tight bends

Markets & Applications

It is widely used in automotive cable assemblies and other industrial and commercial fields for the protection of hoses, pipes, fuel lines and fluid transfer conduits.

PPS-KL

Kevlar™ Braided Sleeving

- Manufactured from a Kevlar™ fibre filament
- The material is used extensively in bullet proof vests and body armour due to its formidable tensile strength
- Kevlar™ filament is up to 20x stronger than a steel filament of the same diameter
- This sleeving provides the same level of protection to wire and cable bundles in demanding applications



Key Features

Outstanding tensile strength
Abrasion & Cut through resistant
Excellent thermal stability
Resistant to organic solvents
Highly flexible and light weight

Markets & Applications

Aerospace (All areas)
Military Ground vehicles
Marine and offshore
Harsh environments
Ruggedized applications

PPS-CB

Carbon Fibre Braided Sleeving

- Manufactured from a Carbon fibre filament
- Operating temperature of -269°C to $+650^{\circ}\text{C}$
- Carbon fibre provides exceptional strength and thermal resistance
- Carbon has a conductive character and can be used as a thermal conductor



Key Features

Exceptional torsional strength

High thermal resistance

Tough and durable

Can conform to uneven or asymmetrical substrates

Delivers full radial stability

Markets & Applications

Aerospace

Military

High tech

Conductivity requirements

Weight saving applications

PPS-BS

Basalt Braided Sleeving

- Manufactured from a Basalt fibre filament
- Operating temperature of -269°C to $+650^{\circ}\text{C}$
- Basalt is a volcanic mineral and as such is inherently resistant to fire, water, salts, acids and alkalis.
- Ideal for use in and around harsh chemicals i.e. engine compartments, oil hoses



Key Features

Outstanding electrical insulator

High temperature resistance

Chemical & corrosion resistant

Inherently chemical resistant

Resistant to & corrosion

Can be used in areas of flame

Markets & Applications

Aerospace

Military

Defence

Space

Motorsport

Metallurgy and chemical industries