



# “Pig’s Tail”™

## PROTECTIVE WRAPPING

### USE “PIG’S TAIL”™ FOR:

- ✓ Hydraulic, gas and air hoses/pipes
- ✓ Welding leads
- ✓ Electrical leads
- ✓ Sapling/plant protection

Protect your investment with “Pig’s Tail”™ Protective Wrapping. “Pig’s Tail”™ is designed for heavy duty bundling and protection, featuring rounded edges for safe and easy installation.

Hydraulic systems are the cornerstone of many industrial processes, providing the power to drive plant and equipment in many diverse applications. A key component of these systems is the hydraulic hose, which if damaged by wear, or accident, can have a major impact on productivity.

The cost of such failure cannot simply be measured in terms of the replacement cost of the hose, but also by the financial impact caused by unplanned equipment downtime and lost production.

“Pig’s Tail”™ Protective Wrapping provides a quick and cost effective method for minimising these production losses.

“Pig’s Tail”™ is a HDPE (High Density Polyethylene) protective wrapping designed for easy installation to existing hydraulic hoses, providing protection against wear and damage caused by misuse, poor maintenance, or aggressive working environments.

“Pig’s Tail”™ Protective Wrapping offers the following performance benefits:

- Developed to increase the service life of hydraulic hoses
- Manufactured from tough HDPE for ultimate protection against abrasive wear and crushing damage
- Unique rounded edges facilitate installation and reduce risk of exposed sharp edges

- Wide range of sizes suits most hose diameters
- Can be used to protect a single hose or to bundle hoses/cables together
- Spiral cut for ultimate flexibility
- Resistant to chemical attack and suitable for use in the most aggressive environments
- Suitable for use with equipment operating across a wide temperature range (-10°C to 90°C)
- Fire resistant and anti-static versions available for use in sensitive environments
- Suitable for use with all hydraulic fluids including glycol and phosphate ester based products.

### TYPICAL APPLICATIONS

- Hydraulic hose protection and bundling on static plant and equipment
- fork lift trucks
- mobile plant equipment
- air hoses on trucks and air driven equipment.

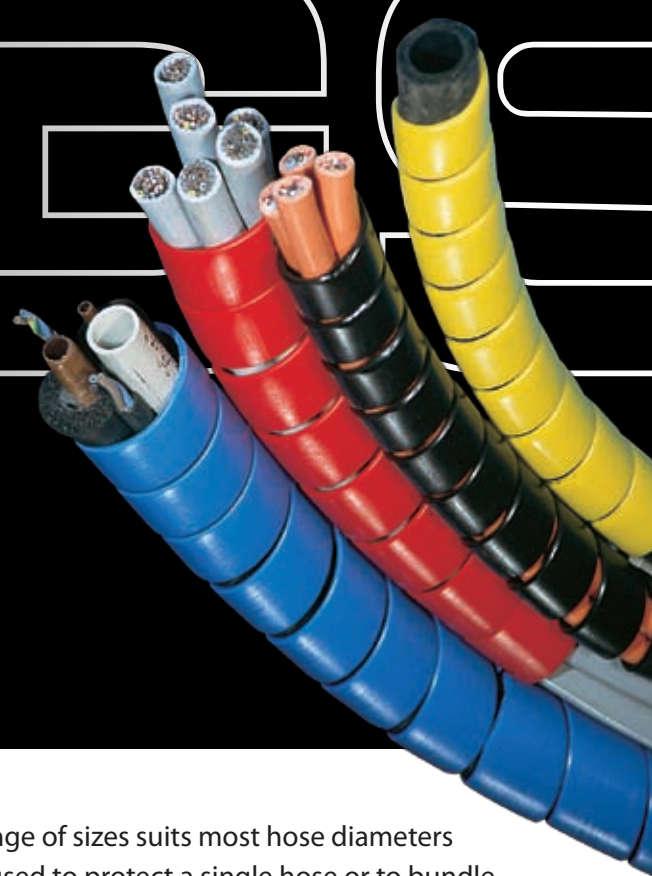
### TECHNICAL INFORMATION

Hose Armouring & Guarding

### INSTALLATION INSTRUCTIONS

Select the correct diameter of “Pig’s Tail”™ for the outside diameter of the hose to be protected (*see page five*). Cut the “Pig’s Tail”™ to the correct length, ensuring that the ferrule of each end of the hose is covered. Starting at one end of the hose, wrap the “Pig’s Tail”™ around the hose, working in the direction of the spiral.

For multiple hose and cable protection, select the diameter by measuring the total diameter of all hoses and cables together, then follow the directions above. For multiple hose protection, it is advisable to leave a short length of hose exposed to reduce putting strain on the ferrules. For bundles of larger diameter hoses, it may be necessary to provide additional support using chains or brackets.



## DATA SHEET - Typical properties

The raw material from which "Pig's Tail"™ is produced, is manufactured from high molecular weight extrusion grade polyethylene. The product exhibits extremely good environmental stress crack resistance (ERS) and conforms with the Australian Standard AS2070 – plastic material for food consumption use.

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Density	ASTM D 1505	g/cm <sup>3</sup>	0.954
Melt index	ASTM D 1238	g/10 min	0.1
2,16kg	ASTM D 1238	g/10 min	0.56
5,0kg	ASTM D 1603	%	2~2.5
Carbon Black Content			
Tensile Properties	ASTM D 638 (IV)		
Tensile strength at yield (min)		kg/cm <sup>2</sup>	230
Tensile strength at break (min)		kg/cm <sup>2</sup>	300
Elongation at break (min)		%	500
Flexural modulus	ASTM D 790	kg/cm <sup>2</sup>	8800
Environmental Stress Crack Resistance	ASTM D 1693	hr	1000
Condition B, F50 (min)			
Hardness (min)	ASTM D 2240	shore "D"	63
Impact strength (Izod, method A, min)	ASTM D 256	kg-cm/cm	30
Brittleness tem. (min)	ASTM D 746	°C	-75
Vicat softening tem.	ASTM D 1525	°C	123
Oxidative Induction Time at 200 °C	ISO / TR 10837	%	16
Modulus of Elasticity	ASTM D 790	Min	40
Thermal conductivity	ASTM D 177	Watt/m°C	0.4
Coef. of linear thermal expansion	ASTM D 696	1°C	0.00013
Specification data			
Material Classification	ASTM D 1248	-	III C 5 P34
Cell Classification	ASTM D 3350	-	345434 (PE 3408)

These are typical values for compression moulded specimens; the properties of these materials in extruded pipe form, or as moulded fittings, will vary slightly in each individual case owing to morphological differences arising from the different processing methods.



All standard "Pig's Tail"™ sizes are available in:



NOMINAL INTERNAL & EXTERNAL DIMENSIONS

PRODUCT CODE	ID mm	OD mm	Wall mm
R9SSG	7	9	1
R12SSG	9.5	12.5	1.5
R16SSG	12.5	16	1.75
R20SSG	16	20	2
R25SSG	21	25	2
R32SSG	27	32	2.5
R40SSG	34	40	3
R50SSG	44	50	3
R63SSG	55	63	4
R75SSG	66	75	4.5
R90SSG	79	90	5.5
R110SSG	99	110	5.5

PRODUCT CODE	Roll Size m	Typical Uses	Hose OD Range Fitting Chart
R12SSG	50	Electrical Harnesses & Single Phase Leads	9 mm - 12 mm
R16SSG	50 & 20	Single & Three Phase Leads	12 mm - 17 mm
R20SSG	50 & 20	TIG Cables & Air Hoses	16 mm - 22 mm
R25SSG	50 & 20	Oxy-Acetylene Hoses / MIG Leads	22 mm - 23 mm
R32SSG	50 & 20	Heavy Duty Cables / MIG Leads (wire feeder to rectifier)	27 mm - 33 mm
R40SSG	50 & 20	Hydraulic Hoses, Plasma Cutters	33 mm - 42 mm
R50SSG	50 & 20	Hydraulic Hoses, Electrical Wiring	42 mm - 55 mm
R63SSG	20	Hydraulic Hoses	52 mm - 65 mm
R75SSG	20	Heavy Duty Hydraulics	65 mm - 80 mm
R90SSG	20	Banking Hydraulics	80 mm - 130 mm
R110SSG	12	Banking Hydraulics	100 mm - 150 +

PRODUCT CODE	Metres per carton	
	BLACK	RED / BLUE / YELLOW
R9SSG	150	150
R12SSG	50	50
R16SSG	20 & 50	20
R20SSG	20 & 50	20
R25SSG	20 & 50	20
R32SSG	20 & 50	20
R40SSG	20 & 50	20
R50SSG	20 & 50	20
R63SSG	20	20
R75SSG	20	20
R90SSG	20	20
R110SSG	12	12



# FRAS



## FIRE RESISTANT ANTI STATIC

### "Pig's Tail"™

FRAS "Pig's Tail"™ is a conductive thermoplastic compound on a polypropylene base. Conductivity is achieved by using special conductive carbon black. In addition to low electrical resistivity, FRAS is flame retardant and has an extremely good balance of mechanical properties.

FRAS "Pig's Tail"™ is available in BLACK only.

 Black

TESTED TO AS 2600 & ALSO TESTED TO

- ✓ AS 1180.10B
- ✓ AS 1180.13A

#### NOMINAL INTERNAL & EXTERNAL DIMENSIONS

PRODUCT CODE	ID mm	OD mm	Wall mm	Metres per Carton
FRAS12	9.5	12.5	1.5	50
FRAS16	12.5	16	1.75	20
FRAS20	16	20	2	20
FRAS25	21	25	2	20
FRAS32	27	32	2.5	20
FRAS40	34	40	3	20
FRAS50	44	50	3	20
FRAS63	55	63	4	20
FRAS75	66	75	4.5	10
FRAS90	79	90	5.5	10
FRAS110	99	110	5.5	10



# ELECTRICAL GUARD

# GUARD

An alkathene low-  
density polyethylene

“Pig’s Tail”™

Electrical Guard is available in –  
Natural (*indoor use only*)  
Black (*indoor and outdoor use*)

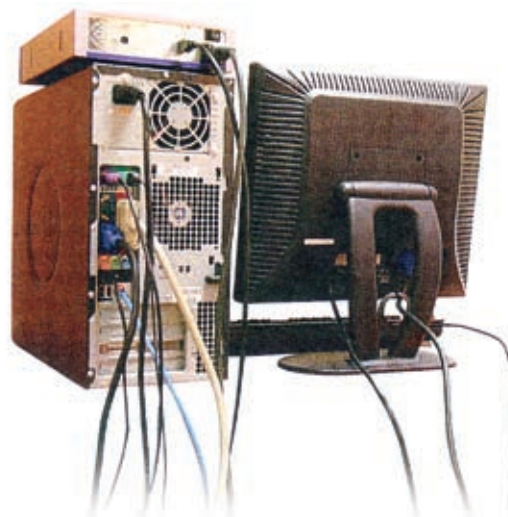
Available in packs from 2m to 10m, boxes from 15m to 100m or spools from 150m to 500m.

Electrical Guard is designed to wrap around bundles of wires to make neat looms and protect the conductors.

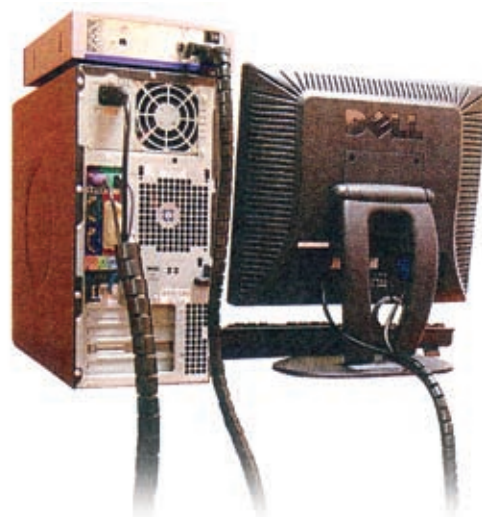
Electrical Guard will accommodate a large range of diameters and allows break outs at any point.

## NOMINAL INTERNAL & EXTERNAL DIMENSIONS

PRODUCT CODE	ID mm	OD mm	Wall mm
E3SSG	2.5	4	.75
E6SSG	5	7	1
E12SSG	11	13	1
E16SSG	14	16	1
E20SSG	17.5	20	1.25



▲ Without Electrical Guard



▲ With Electrical Guard