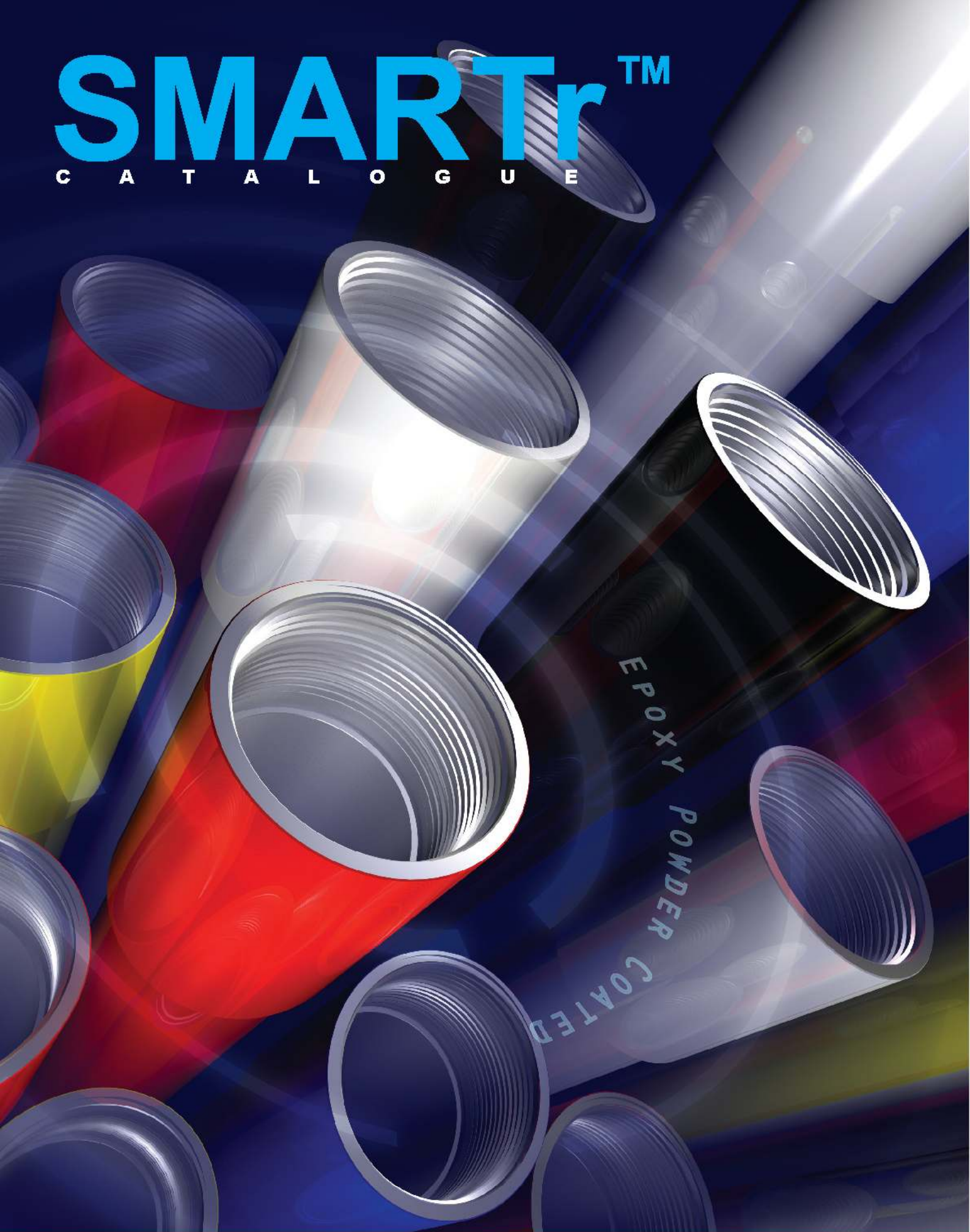


SMART^{Tr}™

C A T A L O G U E



Epoxy Powder Coated G.I Conduits & Fittings for
Various Electrical Wiring Applications

Introduction

In the past, the common specification for painting a conduit usually required one undercoat layer of primer paint finish with one or two layers of Enamel paint.

With manpower cost getting ever higher, it is also difficult to seek out reliable and skilled workers to carry out the task accordingly and perfectly.

The practice used to be that workers would lay out conduits & conduit fittings alike on any available floor/space and carry out the job of manual painting, the completed job would then be naturally dried in the open air. This usually leads to smudging and ugly conduits/fittings installed on site as it is impossible to get a superior dried finish this way.

We are please to introduce our SMART^{Tr} range of Epoxy Powder Coated G.I conduit & conduit fittings.









The conduits & fittings are Epoxy Powder coated and oven baked in an enclosed factory environment thus providing a finish process that is 100% perfectly accepted always. The finish also enhances the product providing excellent extra Anti Rust and Ornamental finishing to the conduit and fittings alike.

The Epoxy Powder coated finishing provides excellent impact/scratch resistant and best of all the conduits are bendable w/o affecting the performance outlook.

On most major prestigious project, more and more specifiers are beginning to adopt designing in color conduits into their projects as they realize the advantages.

This not only makes the installation look professional, neat and tidy but the installation is also doubly protected, like for example if the situation requires a class 4 conduit protection, finishing with Epoxy Powder coating adds value to anti-rust protection already available on the conduit.

Some examples of colors that are regularly used to define different services.

COLORS		SERVICES
Signal Red		Fire Alarm Conduit
Yellow		BAS / Security Conduit
Blue		ACMV Control System Conduit
Orange		Electrical Circuit / Power Point Conduit
Green		Security / BAS
White		Signal / ACMV / Electrical Circuit Conduit
Grey		Electrical Circuit Lighting / Power Point Conduit
Matt Black		Electrical Circuit Lighting / Power Point Conduit

Note :

There is no clear definition about what color should be applied for what services as all these decisions are made and applied by the Electrical or Mechanical consulting engineers during design stage or on site. Architects sometimes also request conduits to be colored to blend in to their designs.

The above list of examples is therefore to be taken only as a guide to how these colors may be applied. Potential buyers must take note that because of the wide range of colors and different demand, only regular stocks of Signal Red Conduit & Conduit Fittings are available.

All other colors are quoted according to client's given BQ and supplied by bulk order only.

- Above color chart is just a guide and may not represent actual Color Tone supplied on site. Approval of Color Tone should be made on actual sample submitted on site.

Quality

Ourendeavors over the years have assured quality of product and good customer service and to reinforce this PEX International Pte Ltd works to the ISO 9001: 2000 standard. This commitment to ensure that customer receives the finest quality product and the very best attention and service always.

Application (for heavy duty protection)

When installing conduits to Pharmaceutical / Food Industry / Cleanrooms / Very Wet / Corrosive hostile environment ask specifically for your G.I conduits & fittings to be spec to **BS4568 : 1970 : PT 1 & PT 2 - CLASS 4 : Hot Dipped Galvanized + Epoxy Powder Coating.**

Specification of SMART[™] Epoxy Powder Coated G.I Conduits & Fittings

BS31 : CLASS B 1940

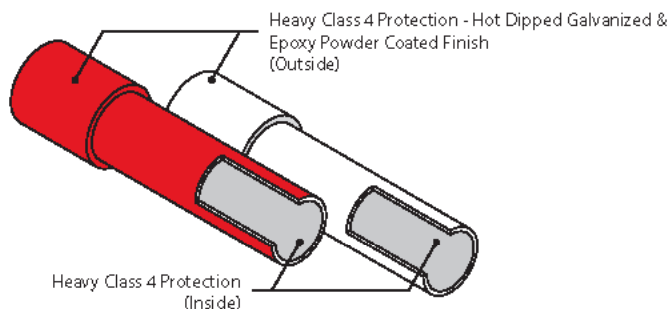
- Conduits are finished according to BS31 requirement and finished outside with Epoxy Powder Coated Oven Baked.
- Supplied both ends threaded and c/w one socketed end.

BS4568 : PT 1 : 1970 - CLASS 3 protected

- Conduits are manufactured accordingly to BS4568-CLASS 3 specification and finished outside with Epoxy Powder Coated Oven Baked.
- Supplied both ends threaded and c/w one socketed end.

BS4568 : PT 1 : 1970 - CLASS 4 protected

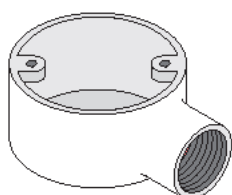
- Conduits are manufactured accordingly to BS4568-CLASS 4 specification and finished outside with Epoxy Powder Coated Oven Baked.
- Supplied both ends threaded and c/w one socketed end.



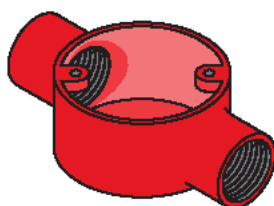
Example of BS4568 CLASS 4 Signal Red & White Epoxy Powder Coated Conduits.

BS31 CLASS B	BS4568 CLASS 3	BS4568 CLASS 4	Length w/o Coupling	Length per Bundle	Bundle per Lift
¾"	20mm	20mm	3.75mtrs	10	20
1"	25mm	25mm	3.75mtrs	10	20
1 - ¼"	32mm	32mm	3.75mtrs	10	10

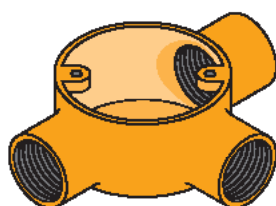
Note : Larger size conduits are also available on request.



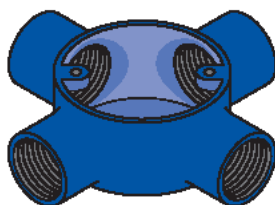
Terminal Box - 1 way
(White)



Through Box - 2 ways
(Signal Red)



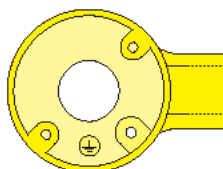
Tee Box - 3 Ways
(Grey)



Cross Box - 4 ways
(Blue)



Angle Box - 2 Ways
(Matt Black)



Terminal Box 1 way c/w back
outlet hole (Yellow).

[20mm with 20mm back outlet hole]
[25mm with 25mm back outlet hole]

Boxes - Circular, Small

Marking : SMART[™]
Material : Malleable Iron (BS4568 : PT2 : 1970)
Finish : Epoxy Powder Coated

Note:

- With tapped hole in base for earthing screw.
- Supplied without covers or fixing screws unless ordered.
- Order ¾" or 1" when using with BS31 conduit.
- Order 20mm or 25mm when using with BS4568 conduit.

Sizes		Conduit
20mm	Min 25mm deep, Tapped M4 at 50.8mm centres	BS4568 CL3 / CL4
25mm	Min 28mm deep, Tapped M4 at 50.8mm centres	BS4568 CL3 / CL4
¾"	Min 25mm deep, Tapped 2BA at 50.8mm centres	BS31
1"	Min 28mm deep, Tapped 2BA at 50.8mm centres	BS31



Circular Box Cover - Small

Material : Steel
Finish : Epoxy Powder Coated
Thickness : 1.0mm / 1.2mm

Note:

- Screws quoted separate.
- Suitable small rubber gasket available on order (Rubber Gasket not Epoxy Powder Coated).

Note: Large Pattern Circular boxes for 32mm(1¼") conduits also available upon request



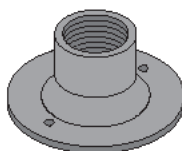
Sizes	
¾"	20mm
1"	25mm
1¼"	32mm
1½"	40mm
2"	50mm

Spacer Bar Saddle

Marking : SMART[™]
Material : Base - Steel
Strap - Steel
Finish : Epoxy Powder Coated
Standard : BS4568 : Part 2 : 1970

Note:

- Supplied with steel screws as standard.
- Brass or SS screws optional.
- Order ¾" or 1" when using with BS31 conduit.
- Order 20mm or 25mm when using with BS4568 Class 3 / Class 4 conduit.



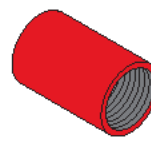
Dome Lid

Marking : SMART[™]
Material : Malleable Iron / Steel
Finish : Epoxy Powder Coated

Note :

- Steel Dome Lids are available on order.
- With mounting holes 50.5mm centre use for connecting flexible adaptors, hanging light fittings and etc.

Sizes	
¾"	20mm
1"	25mm



Coupling

Material : Steel
Finish : Epoxy Powder Coated

Sizes	
¾"	20mm
1"	25mm
1¼"	32mm
1½"	40mm
2"	50mm

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