

## Caparo Standards

Caparo products are generally manufactured in accordance with the relevant British Standards. Details of particular standards are given below:

STANDARDS		
<b>Product</b>	British & European (Euro Norm) Standards	
<b>Conduit - Steel Tube</b>	BS 4568 part 1 and BS EN 61386-1	
	BS EN 50086-1:1994	
	BS EN 50086-2:1996	Metric Sizes
	BS 31	Imperial Sizes
<b>Conduit Fittings &amp; Accessories</b>	BS EN 50086-1:1994	
	BS EN 50086-2:1996	Metric Sizes
	BS 31	Imperial Sizes
<b>Adaptable Boxes</b>	BS 4568 part 2	
<b>Conduit-Flexible</b>	BS EN 50086-2-3:1996	
<b>Switch &amp; Socket Boxes</b>	BS 4662	



## BS STANDARD CONDUIT - TUBE

### Heavy Gauge Conduit Welded – Screwed

Manufactured in accordance with BS 4568 / BSEN50086 / BS EN 61386 / BS 31 where applicable.

Heavy gauge seam welded Conduit (with seam trimmed during manufacture)

Each 3.75 meters length is supplied screwed both ends, plastic cover protection in one end and complete with one solid coupling at the other end.

Class 4 corrosion protection is achieved with a hot dip galvanised coating applied inside and outside after the manufacture and offer a high degree of corrosion protection and a bright metallic appearance.

### CAPARO GI CONDUIT TUBE – Material handling information

All Caparo Conduit is packed and shipped in lifts (also known as Master Bundles). The approximate weight, number of lengths and total in meters is given in the table below.

Part No.	Size (MM)	Length (m)	Lengths/lift	Meters/lift	Weight/lift (MT)*	Finish
C20TUBEHDGHHG	20	3.75	400	1500	1500	Class 4
C25TUBEHDGHHG	25	3.75	320	1200	1500	Class 4
C32TUBEHDGHHG	32	3.75	160	600		Class 4
C38TUBEHDGHHG	38	3.75	80	300		Class 4
C50TUBEHDGHHG	50	3.75	80	300		Class 4

\* The weight per lift varies according to the size and finish. The approximate value is shown above.

**IMPORTANT:** Binding materials used to make up bundles of Conduit are not intended to be used when lifting this product which should be handled only with approved slings.



**CABLE CAPACITIES OF CONDUIT**

The following tables give guidance on the calculation of the number of single-core p.v.c insulated cables which can be located in various sizes of conduit

- (i) Single-core p.v.c. insulated cables in straight runs not exceeding 3 meters in length.
- (ii) Single-core p.v.c. insulated cables in straight runs exceeding 3 meters in length or in runs of any length with bends or sets.

**STRAIGHT RUNS NOT EXCEEDING 3 METERS IN LENGTH.**

For each type of cable being used obtain the cable factor from Table 1. Sum all the cable factors and compare with the conduit factors given in Table 2.

The conduit sizes which will accommodate the cables are those with a conduit factor equal to or greater than the sum of the cable factors.

Type of Conductor	Conductor cross sectional area mm <sup>2</sup>	Factor
Solid	1	22
	1.5	27
	2.5	39
Standard	1.5	31
	2.5	43
	4	58
	6	88
	10	146

Table 1 Cable factors for short straight runs

Conduit dia mm	Factor
16	290
20	460
25	800
32	1400

Table 2 Conduit factors short for straight runs

These tables are based on the 17<sup>th</sup> edition of the I.E.E. Wiring Regulations Appendix 12.

