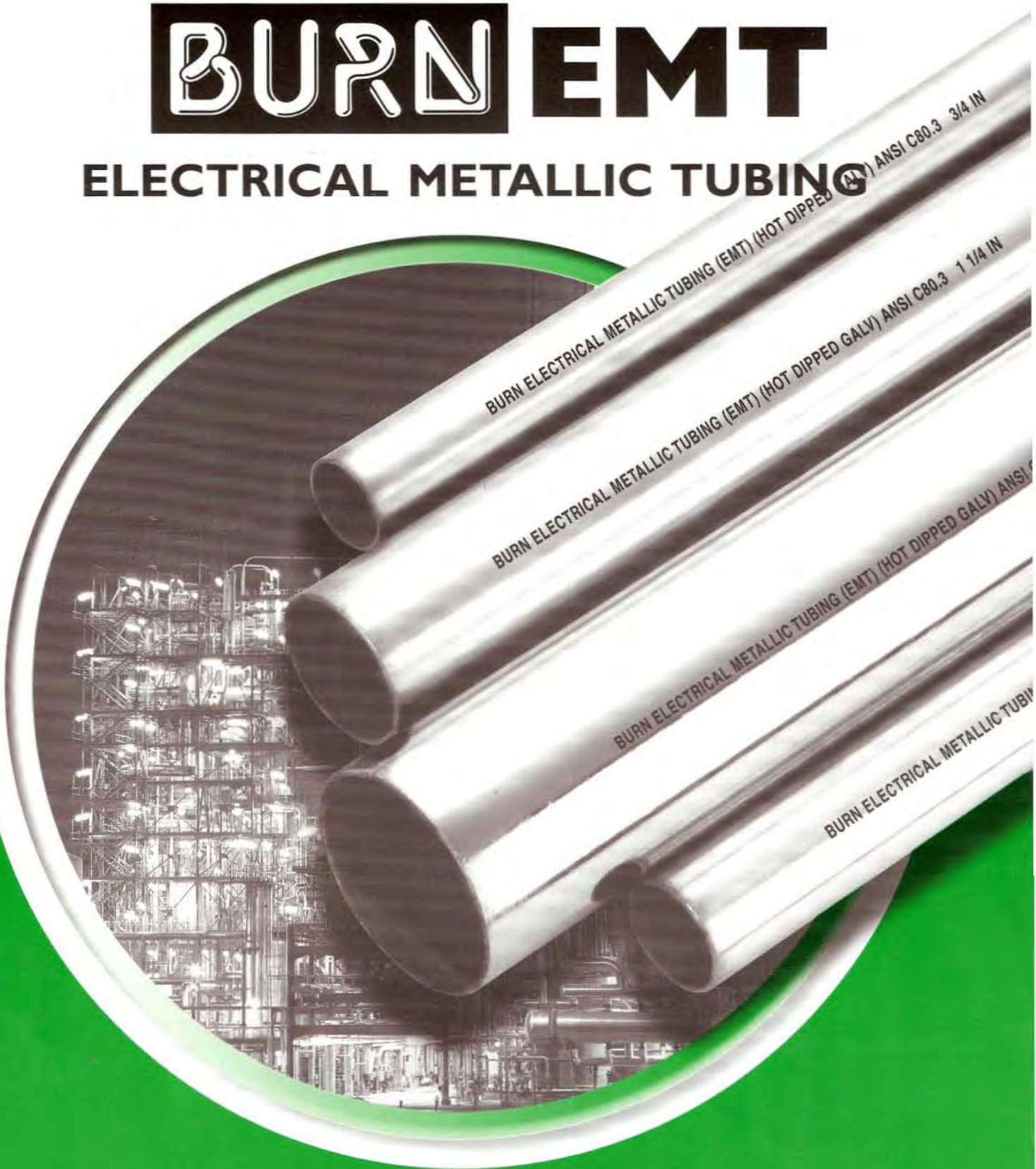
BURN EMT

ELECTRICAL METALLIC TUBING



HOT DIPPED GALVANIZED

INSIDE & OUTSIDE

Maximum Corrosion Protection

BURN EMT

Hot Dipped Galvanized Inside & Outside Maximum Corrosion Protection

- BURN EMT is precision manufactured from high grade mild steel strip for exceptional durability and competitive life cycle cost.
- BURN EMT combines strength with ductility, resulting in faster and easier installations. It provides easy bending, cutting and joining while resisting flattening, kinking and splitting, creating smooth, continuous raceways for fast wire pulling. Its uniform wall thickness provides resistance to physical damage from impact or crushing.
- Stringent internal weld bead removal process ensures BURN EMT provides smooth continuous raceways for fast wire-pulling. Even when there is a 90° bend, there should not be any concern for damage to the wires.
- BURN EMT greatly reduces electromagnetic fields, effectively shielding computers and sensitive electronic equipment from the electromagnetic interference caused by power distribution systems.
- BURN EMT is also manufactured to meet the requirements of ANSI C80.3. EMT is recognized as an equipment grounding conductor by NEC.

THE HOT DIPPED GALVANIZING PROCESS

All BURN EMT are hot dipped galvanized both inside and outside to provide more than 66 microns of zinc coating. The hot dipped galvanizing process utilizes molten zinc for coating. Formed and welded finished conduit lengths are transferred through cleaning and pickling operations prior to immersion into the molten zinc bath of more than 430°c. After exiting the bath, the conduit is subjected to a series of air wipers which control coating thickness and surface condition on both the interior and exterior of the product. The conduit is then quenched and passed through chromate solution as an additional protection on the zinc coating itself from white rust.

DIMENSIONS AND WEIGHTS

Item Code	Trade Size		Outside Diameter (mm)	Wall Thickness (mm)	Min. Weight Per Length (kgs)
	in.	mm			
C-BN-E050H	1/2	16	17.93 ± 0.13	1.07	1.50
C-BN-E075H	3/4	21	23.42 ± 0.13	1.25	2.10
C-BN-E100H	1	27	29.54 ± 0.13	1.45	3.20
C-BN-E125H	1 1/4	35	38.35 ± 0.13	1.65	4.31
C-BN-E150H	1 1/2	41	44.20 ± 0.13	1.65	4.99
C-BN-E200H	2	53	55.80 ± 0.13	1.65	6.35

Note :-
Standard length:
10ft (3.05m) with a
tolerance of +/- 6.35mm

INSTEEL

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E/GALV

ELECTRO-GALVANISED ELECTRICAL STEEL CONDUIT

The Electro-Galvanising Process

E-Galv Electrical Steel Conduits are made from high quality steel, and are externally galvanised using the Electro-Galvanising process. The conduits are first passed through a cleaning section, consisting of degreasing, pickling and multiple rinsing. This ensures every pipe is perfectly cleaned prior to galvanising for optimum results. The conduits are then immersed fully into an electrolyte solution which consists of zinc ion, with a series of anodes connected to the bath. When electrically charged, the flow of zinc anode (+) can then be deposited to the cathodic (-) steel conduit itself. This process of galvanising provides a uniform zinc coating of 15 - 25 microns along their entire length with superb surface finish.

The coated conduits are subsequently rinsed using water and phosphate solutions, followed by chromate solution to stabilise the zinc coating. When oven-dry completely, the inside of the conduits are sprayed with epoxy paint for better protection.

RSI

Royal Steel Industry Co. Ltd

E-Galv Electrical Steel Conduits are manufactured by Royal Steel Industry Co.,Ltd in Bangkok,Thailand. Established in 1992, RSI is reputed for its commitment to quality which was duly recognised by receiving the renowned 10th Golden American Award for Quality from New York, USA and subsequently the 26th International Trophy for Quality from Paris, France. Due to their stringent quality control, RSI has successfully obtained UL certification for their Intermediate Metal Conduit range.

Since then RSI has continuously strived to further improve their quality control. Its recent BS EN ISO 9002 Quality Management Certification further evidences the Company's determination to manufacture quality products for the global markets. Besides the local market, RSI exports its products to Asia, Middle East and United Kingdom.

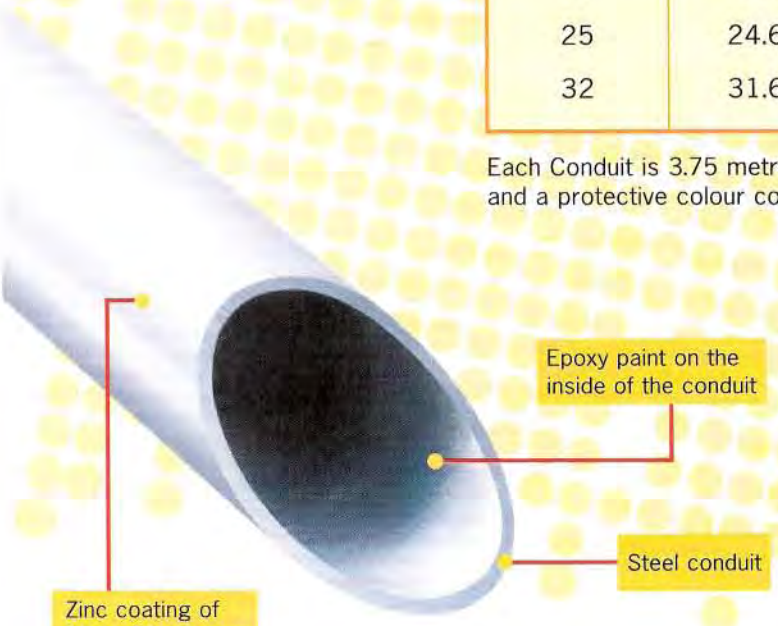
E-GALV

E-GALV to British Standard - Sized and Threaded to BS 4568

Trade size (mm)	Outside Diameter		Wall Thickness (mm)	Weight per Length with Coupling (kgs)
	Minimum (mm)	Maximum (mm)		
20	19.7	20	1.6 ± 0.15	2.90
25	24.6	25	1.6 ± 0.15	3.80
32	31.6	32	1.6 ± 0.15	5.50

Each Conduit is 3.75 metres in length, threaded both ends and complete with one coupling and a protective colour coded PVC cap.

A Cross Section of an Electro-Galvanised Steel Conduit



- Excellent mechanical strength and durability.
- Electro-Galvanised externally to provide uniform and even surface protection.
- Internal weld bead is removed to ensure smooth wire drawing.
- Double protection to the internal surface as conduits are first cleaned using zinc phosphate solution and subsequently sprayed with epoxy paint.
- Threading is done before electro-galvanising, therefore thread ends are well protected against corrosion.
- Threaded conduits are supplied with a coupling and protective PVC cap to prevent thread damage.
- Ideal for medium and light industries.

Please note E-Galv conduits do not meet the coating requirements for BS 4568 or ANSI C80.3-1983. They do not meet the corrosion classifications defined in these standards.

E-GALV to American Standard - Sized to ANSI C80.3-1983

Trade Size (in)	Outside Diameter (mm)	Wall Thickness (mm)	Minimum Weight per Length (kgs)
1/2	17.93	1.07	1.50
3/4	23.42	1.25	2.10
1	29.54	1.45	3.20
1 1/4	38.35	1.65	4.31
1 1/2	44.20	1.65	4.99
2	55.80	1.65	6.35

Each Conduit is 10ft or 3.050 metres in length, plain ends.

Distributed By

Marketed and Managed by

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