

Copper tubes to paint your world green



“ Life is for one generation, a good name is forever.”

MANDEV TUBES PVT. LTD.

AN ISO 9001 : 2008, certified company by TUV NORD
Towards Leadership Through Commitment & Quality

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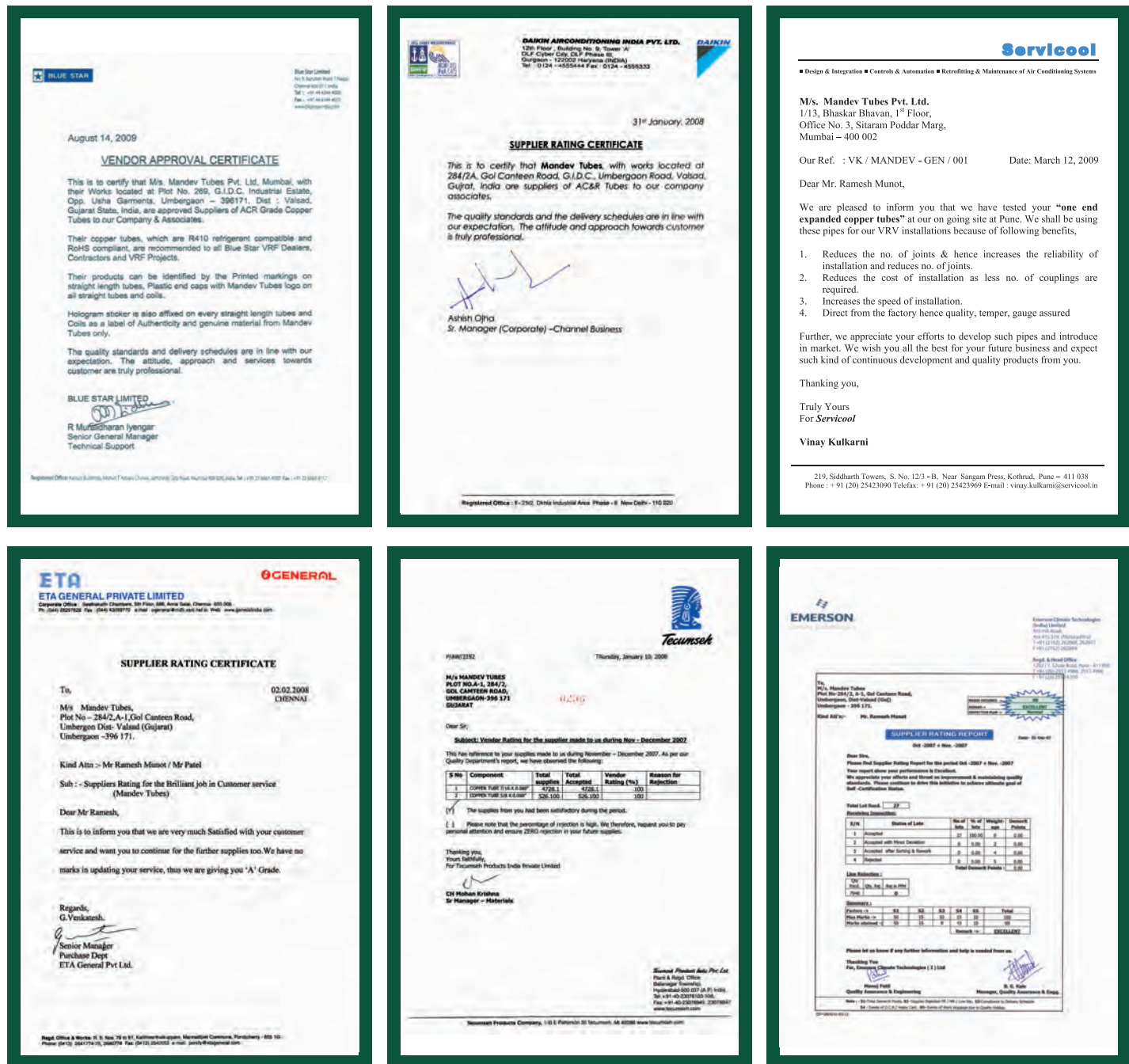
Email: mantubes@vsnl.net

website : www.mandevtubes.com



Copper tubes, arteries for FLUID applications

Customer Perception



Membership and Accreditations



Our Treasured Clients

- ANNAPURNA • AURANGABAD • CHANVIM • DELTA • ELEGANT • OASIS • RAJAT
- ADANI • BLUE STAR • CARRIER • ETA • GODREJ • LLOYD • MIDCO • REMI • VOLTAS
- VIDEOCON • VANAZ • WHIRLPOOL
- DAIKIN • ECTL • HITACHI • LG • MITSUBISHI • SAMSUNG • TECUMSEH • TOSHIBA

Finned tubes are available in straight length with plain end on both sides and also available with interim skip, as per requirement.

Fin tubes get improved heat transfer over plain tubes, thus allowing reduction in size and weight of the heat exchanger and condensers.

Specifications:

- ASTM and other similar standards

Grades:

- ASTM : C12200

Inspection:

- Spectro Chemical Analysis • Tensile • Hardness • Eddy Current • Flattening • Flaring Testing

Certification & Approval:

- ISO 9001-2000 • RoHS Approved

Manufacturing Facilities:

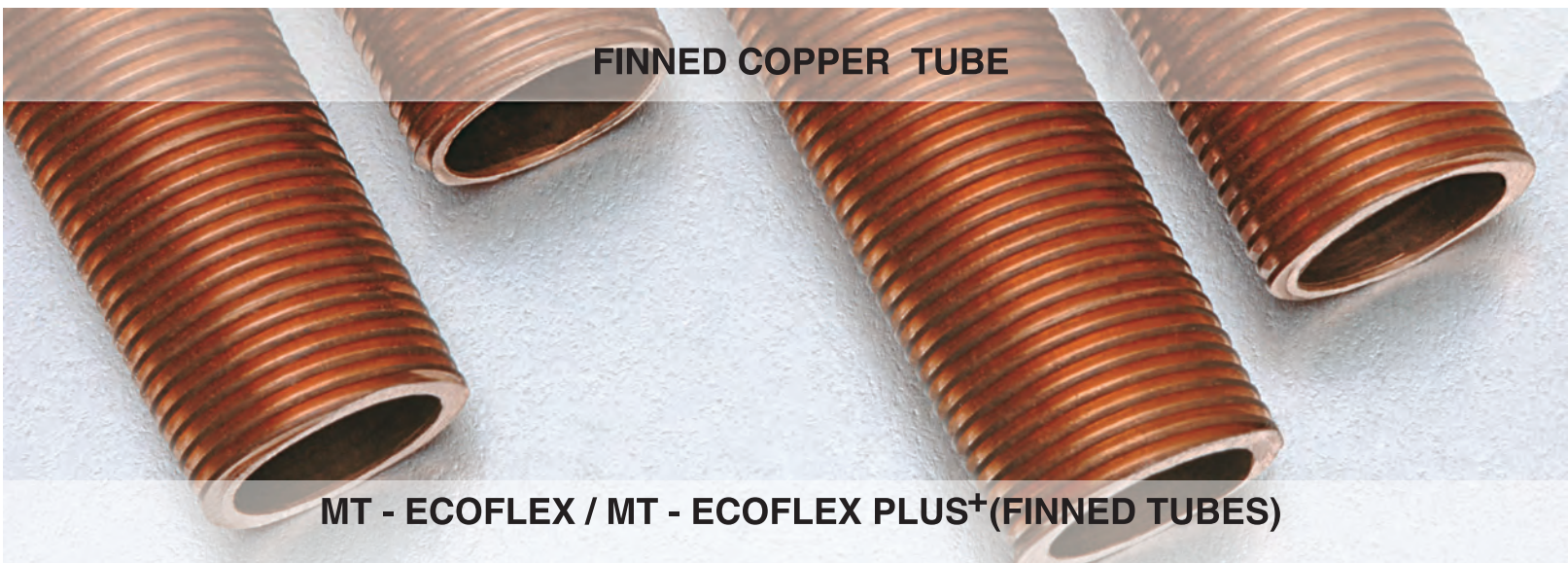
- Redrawing • Straightening • Cut to Length Machine • Finning • Deburring

Packing:

- Polythene Sheet, Corrugation Sheet & Resin Cloth • Polythene sheet, Corrugation Sheet & Wooden Box

Delivery Period:

Within 21 days (ex-works) or as per special agreement with the customer



FINNED COPPER TUBE

MT - ECOFLEX / MT - ECOFLEX PLUS⁺(FINNED TUBES)

PVC COATED COPPER TUBE

MT - ECOFLEX / MT - ECOFLEX PLUS⁺ (PVC COATED)

PVC coated tubes for gas & water applications are produced in size: Coil form - 4 mm to 22.22 mm (15.24 mtr. standard length or length as per requirement max. up to 30.48 mtr.) and straight length 4mm to 35 mm O.D. - in length up to 5.80 mtr.

MANDEV produces PVC coated Copper Tubes in coils and also straight length with ARAI approval, for different applications. viz., CNG, PNG, LPG gas and water etc. PVC coating is available in black, blue, white, red and yellow.

Specifications:

- ASTM
- BS-EN and other similar standards

Grades:

ASTM : C12200 • BS : 106

Inspection:

- Spectro Chemical Analysis
- Tensile
- Hardness
- Eddy Current
- Flattening
- Flaring Testing

Certification & Approval:

ISO 9001-2000, ARAI, RoHS

Manufacturing Facilities:

- Redrawing
- Straightening
- Cut to Length
- Deburring
- Bright Annealing
- PVC Coating

Packing:

- Polythene Bag, Corrugation Box & Resin Cloth
- Polythene Bag, Corrugation Sheet, Wooden Box

Delivery Period:

Within 21 days (ex-works) or as per special agreement with the customer

A promise to deliver quality products

At Mandev Tubes, we are committed to consistently deliver the highest quality so that we achieve total customer satisfaction. We have a burning desire to exceed perfection which is met with expertise and knowledge. We aim to become the top most DHP grade copper tube producer in the country and gain global recognition. We are an ISO 9001 : 2000 certified company by TUV NORD.



Rajmal M. Munot:

He is the backbone behind Munot Group. His dedication and vision has helped MandevTubes achieve a distinct position in the copper tube industry.



Ramesh R. Munot:

As the heir of the family, he has played a vital role in the development of Mandev Tubes. He has always been committed towards the growth and progress of the company.

Excellent Rang of Products

As one of the leading copper tubes company, we have a range of products to meet every consumer need. Our products are made using the best technology. Following certificates are testimony to our stringent quality standards.

**Use of Mandev Range of Products Results in
Minimize Damage to Costly equipments
Better Up-time due to elimination of Leakage
Timely completion of projects**





Features:

- Chances of leakage from joints reduced by 50%
- Straight Cost savings of 35 to 40% over use of couplings
- Single brazing is required per joint, unlike two brazings while using Couplings for joints. Hence 50 % Saving in Brazing Cost

One end expanded tubes are mechanically straightened and then cut to specific lengths as specified by the customers.

One end expanded Tubes - are produced in the following outside diameter and size ranges.

MIN. DIAMETER - 1/4" (6.35 mm) MAX. DIAMETER - 2 1/8" (54.1 mm)
MIN. LENGTH - 2' (0.6 mtr.) MAX. LENGTH - 12' (3.63 mtr.)

Tempers:

One end expanded tubes are provided in Half-hard temper.

Cleanliness & Residue:

"Stress relieved" one end expanded tubes meet the permissible cleanliness level of 0.038 gm / sq.mt, for residue, conforming to ASTM B-280. Ends are capped with plastic end caps.

End Finish:

One end expanded tubes are supplied with a commercial saw cut with minimum burrs as standard on one end, mechanically expanded & deburred on the other end, At added cost.

Specifications:

• ASTM • JIS • BS - EN • IS and other similar standards

Grades:

• ASTM: C12200 • JIS: 1220 • BS: 106 • IS: DHP

Inspection:

• Spectro Chemical Analysis • Tensile • Hardness • Eddy Current • Flattening • Flaring • Residue Testing

Certification & Approval:

• ISO 9001 – 2008 • RoHS approved

Manufacturing Facilities:

• Redrawing • Straightening • Cut to length machine • Deburring • One end expanding

Packing:

• Polythene Sheet & Resin cloth • Polythene Sheet, Corrugation sheet & Resin cloth
• Polythene sheet, Thermocol & Wooden box

Delivery Period:

Within 7 – 10 days (ex – works) OR as per special agreement with the customer

Capillary Tubes are produced in perfect size bore ensuring with highest cleanliness, size: 0.66mm to 2.29mm bore (0.026" to 0.090") in standard length of 100 feet and as per customer's requirement, having smooth inner surface and mirror finish. These tubes are used for Instrumentations, Air-conditioners, Refrigerators, Water Coolers, Deep Freezers, Visi Coolers etc.

Specifications:

• ASTM • ANSI / ASHRAE and other similar standards

Grades:

• ASTM : C12200

Inspection:

• Spectro Chemical Analysis • Tensile • Hardness • Eddy Current • Pressure Drop & Flow Rate • Residue Testing

Certification & Approval:

• ISO 9001-2000 • RoHS Approved

Manufacturing Facilities:

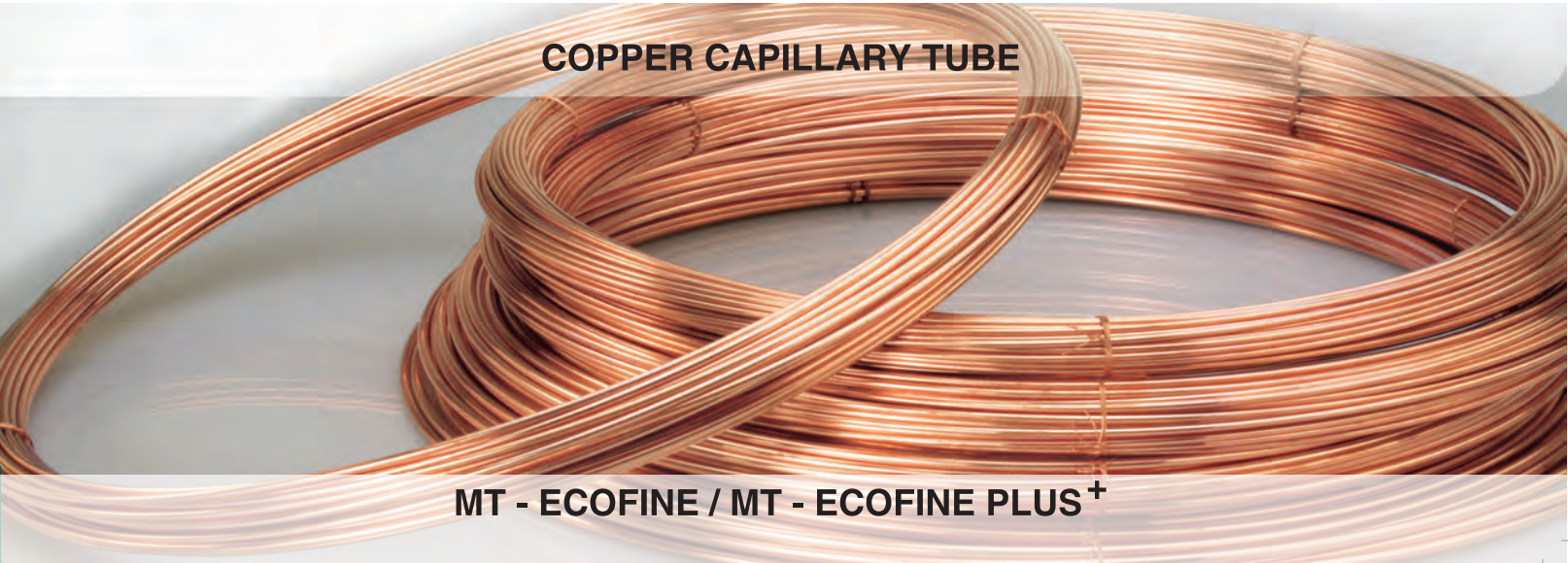
• Redrawing • Straightening • Cut to Length Machine • Coiling • Deburring • Bright Annealing

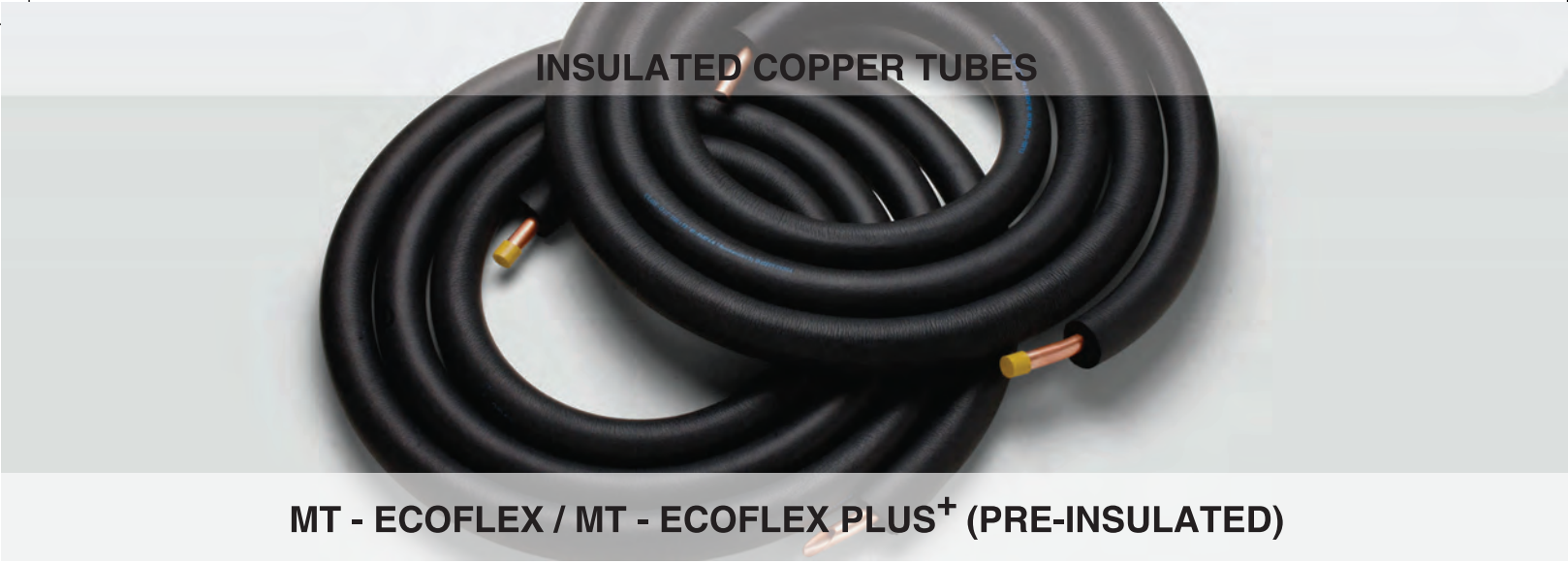
Packing:

• Polythene Bag, Corrugation Box & Resin Cloth • Polythene sheet, Thermocol & Wooden Box

Delivery Period:

Within 30 days (ex-works) or as per special agreement with the customer





Insulated tubes are produced in size range from 6.35 mm to 15.875mm (1/4" to 5/8"), in wall thickness 0.5mm to 1.1mm (0.020" to 0.040") in accordance.

Specifications:

- ASTM
- JIS and other similar standards

Grades:

- ASTM : C12200
- JIS : 1220

Inspection:

- Spectro Chemical Analysis
- Tensile
- Hardness
- Eddy Current
- Flattening
- Flaring
- Residue Testing

Certification & Approval:

- ISO 9001-2000
- RoHS

Manufacturing Facilities:

- Redrawing
- Straightening
- Cut to Length Machine
- Coiling
- Deburring
- Bright Annealing
- Insulation Facility

Packing:

- Polythene Bag, Corrugation Box & Resin Cloth
- Polythene Bag, Corrugation Sheet & Wooden Box

Delivery Period:

Within 30 days (ex-works) or as per special agreement with the customer

TOLLERANCES IN SIZES

OUTER DIAMETER TOLERANCE IN INCH (mm)			
1/8" To 4"		0.002" To 0.005"	
3.175 mm To 101.60 mm		0.050 mm To 0.127 mm	
WALL THICKNESS TOLERANCE IN INCH (mm)			
WALL THICKNESS RANGE IN INCH (mm)	OUTER DIAMETER IN INCH (mm)		
	OVER 1/8" To 5/8"	OVER 5/8" To 1"	OVER 1" To 2"
	3.175 mm To 15.875 mm	15.875 mm To 25.4 mm	25.4 mm To 50.8 mm
0.017" To 0.219"	0.001" To 0.007"	0.0015" To 0.009"	0.002" To 0.009"
0.432 mm To 5.56 mm	0.025 mm To 0.178 mm	0.038 mm To 0.229 mm	0.05 mm To 0.229 mm



Straight length tubes are mechanically straightened and then cut to specific lengths as specified by the customer.

Straight Length Tubes - are produced in the following outside diameter and size ranges.

MIN. DIAMETER - 3/16"(4.76mm) MAX.DIAMETER - 4" (101.6mm)
MIN. LENGTH - 6" (152.40mm) MAX. LENGTH - 19' (5.79mtr.)

Tempers:

Exact straight length tubes are provided in different tempers; hard drawn, light drawn, light annealed and dead soft annealed.

Cleanliness & Residue: Annealed straight length tubes meet or exceed the cleanliness level of ASTM B-280. Ends are capped with plastic end caps as specified by the customer.

End Finish:

Straight length tubes are supplied with a commercial saw cut with minimum burrs as standard. Mechanically expanded and deburred end is available on request at added cost.

Specifications:

- ASTM
- JIS
- BS-EN
- IS and other similar standards

Grades:

- ASTM : C12200
- JIS : 1220
- BS : 106
- IS : DHP

Inspection:

- Spectro Chemical Analysis
- Tensile
- Hardness
- Eddy Current
- Flattening
- Flaring
- Residue Testing

Certification & Approval:

- ISO 9001-2000
- RoHS Approved

Manufacturing Facilities:

- Redrawing
- Straightening
- Cut to Length Machine
- Deburring
- Bright Annealing

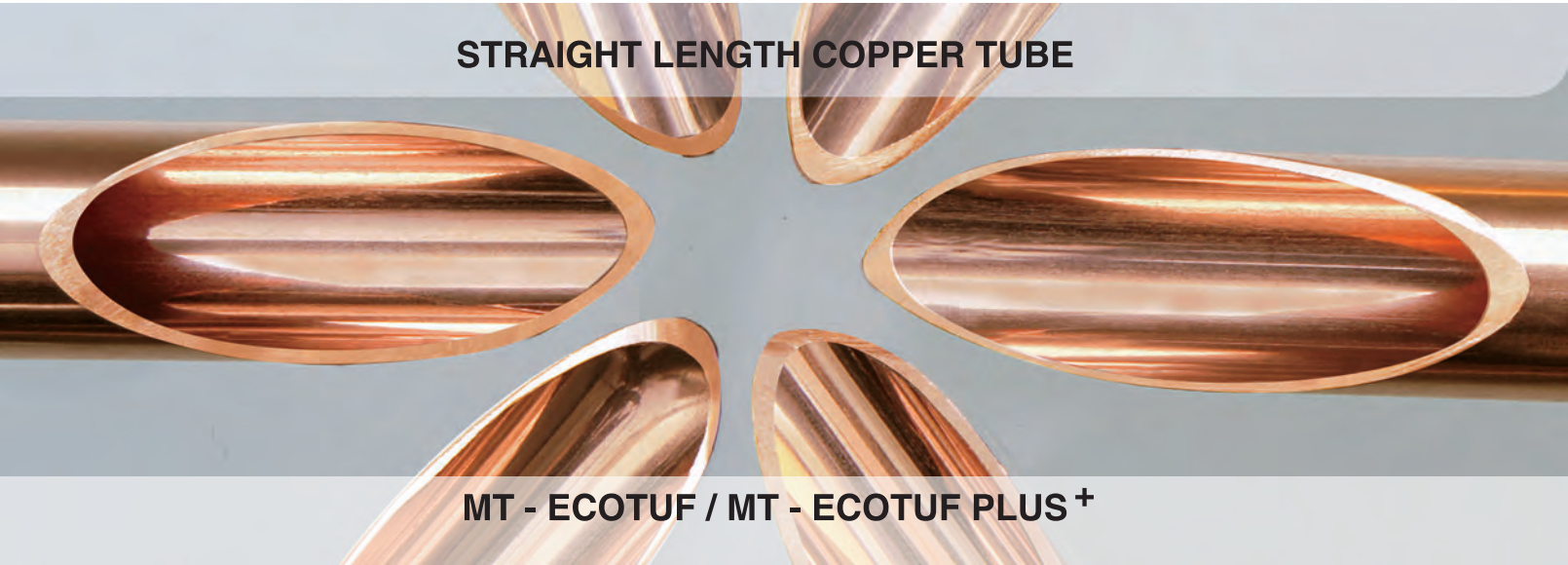
Packing:

- Polythene Sheet & Resin Cloth
- Polythene Sheet, Corrugation Sheet & Resin Cloth

- Polythene sheet, Thermocol & Wooden Box

Delivery Period:

Within 7-10 days (ex-works) or as per special agreement with the customer





PANCAKE COIL COPPER TUBE

MT - ECOFLEX / MT - ECOFLEX PLUS⁺

Pancake coils are typically used in the installation of air conditioning and refrigerator systems. These are also used in OEM end uses. Pancake coils are provided in a flat coil which are one or two layers thick. Bunch coils are similar to pancake coils, but all of the individual loops have the same diameter much like the coil of wire. Pancake and Bunch Coils are produced in the following outside diameter and size ranges.

MIN. DIAMETER - 3/16" (4.76mm) MAX. DIAMETER - 7/8" (22.22mm)
Standard available length is 50 feet. Lengths ranging from 2 meters up to 100 meters as per clients requirement in coil form can also be provided.

Specifications:

- ASTM • JIS • BS-EN • IS and other similar standards

Grades:

- ASTM : C12200 • JIS : 1220 • BS : 106 • IS : DHP

Inspection:

- Spectro Chemical Analysis • Tensile • Hardness • Eddy Current • Flattening • Flaring • Residue Testing

Certification & Approval:

- ISO 9001-2000 • RoHS Approved

Manufacturing Facilities:

- Redrawing • Straightening • Cut to Length machine • Coiling • Deburring • Bright Annealing

Packing:

- Polythene Bag/Shrink Wrapping, Corrugation Box & Resin Cloth • Polythene Bag / Shrink Wrapping, Thermocol & Wooden Box

Delivery Period:

Within 7-10 days (ex-works) or as per special agreement with the customer.

Copper fittings and other tube assembled components are produced for several applications like air conditioning, refrigeration, gas heating and plumbing. Fittings are produced in size range from 6.35 mm to 54mm (1/4" to 2-1/8"), in wall thickness 0.5mm to 1.1mm (0.020" to 0.040") in accordance.

Specifications:

- BS-EN and other similar standards

Grades:

- BS : 106

Inspection:

- Spectro Chemical Analysis • Tensile • Hardness • Eddy Current • Flattening • Flaring Testing

Certification & Approval:

- ISO 9001-2000 • RoHS

Manufacturing Facilities:

- Redrawing • Components Making • Finishing • Bright Annealing

Packing:

- Polythene Bag, Corrugation Box & Resin Cloth • Polythene Bag, Corrugation Sheet & Wooden Box

Delivery Period:

Within 10 Days (Ex-Works) or as per special agreement with the customer



COPPER FITTINGS

MT - ECOFIT / MT - ECOFIT PLUS⁺