

Your Global
Partner

www.solit.international

in HVAC
Solutions

Introduction

Solit International: Pioneers in Copper Solutions for VRV and VRF Systems

Welcome to **Solit International Pvt Ltd**, where innovation meets precision in the world of HVAC. As a pioneering entrant in the industry, we specialize in the manufacturing of premium Copper Coils, Tubes and Fittings, designed to meet the highest standards of quality and performance.

The name "SOLIT" is derived from "Solitaire," symbolizing our commitment to uniqueness and excellence in everything we do.

Why Solit ?

- 01 Copper Tubes are compliant with Indian Standard IS 10773
- 02 Comprehensive range of copper coils, tubes, and fittings for diverse applications
- 03 Global expertise with a customer-centric approach
- 04 State-of-the-art manufacturing technology ensuring precision and quality
- 05 Rigorous in-house quality testing for unmatched product reliability
 - Eddy Current
 - Optical Vickers Hardness
 - UTM
 - Metallurgical Microscope
 - Pneumatic Test Bench
 - Hydrostatic Test Bench



Our Products



Copper Coils

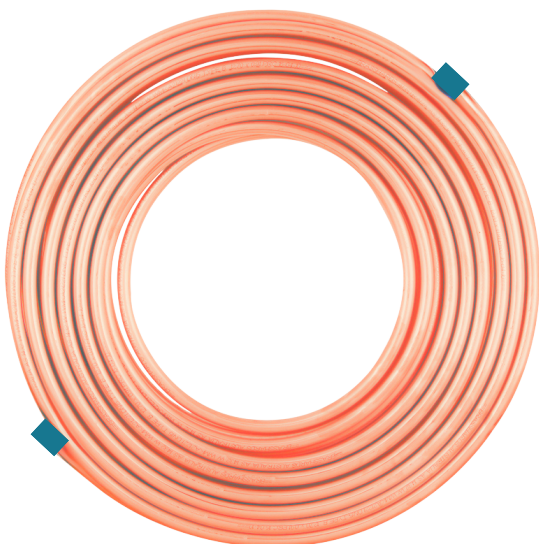
Solit International's Copper Coils are crafted with precision to ensure durability and high performance. Designed for HVAC and industrial applications, our copper coils are known for their exceptional thermal conductivity. These coils are ideal for applications that require efficient heat transfer, making them indispensable in air conditioning, refrigeration, and heat exchange systems.

KEY FEATURES:

- **Superior Thermal Conductivity:** Ensures efficient heat transfer.
- **Corrosion-Resistant:** Designed to withstand harsh environmental conditions.
- **Flexible Design:** Suitable for complex and compact installations.
- **Durable Material:** Long-lasting performance, reducing maintenance needs.
- **Easy Installation:** Lightweight and customizable to project specifications.

PRODUCT APPLICATION :

Chiller, Evaporators, Coolers, Refrigeration, Air Conditioning, VRV & VRF. Heat Exchangers, Electrical Transformers, Induction Heating Systems, Automotive Radiators, Solar Thermal Collectors, Medical Imaging Equipment, Wireless Power Transfer Systems



SPECIFICATIONS

Size Range

OD (Outer Diameter) : 1/8" (3.2 mm) to 7/8" (22.22 mm)

Length : 15.24 mtr

Thickness : 16 s.w.g (1.64 mm) to 27 s.w.g (0.4mm)

Temper : O



Copper Coils

VRV / VRF STANDARD WEIGHT CHART

SPECIFICATION AND SIZES FOR VRF COMPATIBLE AIRCONDITION GRADE COPPER PANCAKE COILS

SR. NO.	CATEGORY	SIZES DESCRIPTION	TEMPER	WEIGHT PER METER [IN KGS]	WEIGHT PER COIL (50 FEET) [IN KGS]	NO. OF COILS PER BOX	APPROX WEIGHT PER BOX [IN KGS]
1	VRV/VRV	1/4" (6.35 mm) * 21 SWG (0.80mm)	Soft	0.125	1.900	12	22.8
2	VRV/VRV	3/8" (9.52 mm) * 21 SWG (0.80mm)	Soft	0.197	3.000	10	30.0
3	VRV / VRV	1/2" (12.70 mm)*21 SWG (0.80mm)	Soft	0.262	4.000	7	28.0
4	VRV / VRV	5/8" (15.88 mm) * 19 SWG (1.00mm)	Soft	0.420	6.400	5	32.0
5	VRV / VRV	3/4" (19.05 mm) * 19 SWG (1.00mm)	Soft	0.512	7.800	4	31.2
6	VRV / VRV	7/8" (22.20 mm) 20.25 SWG (0.88mm)	Soft	0.525	8.000	3	24.0

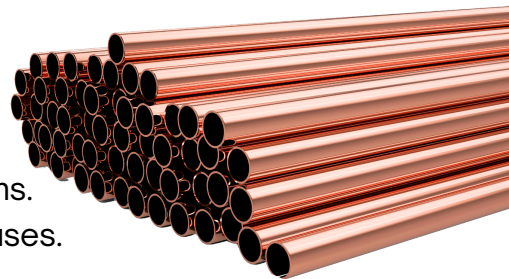


Copper Tubes

Solit Copper Straight Tubes, built for industrial and HVAC use, offer strength, corrosion resistance, and excellent thermal properties.

KEY FEATURES :

- **High Durability:** Withstands pressure and temperature fluctuations.
- **Excellent Thermal Efficiency:** Optimizes heating and cooling systems.
- **Versatile Applications:** Suitable for plumbing, HVAC, and industrial uses.
- **Easy to Join:** Compatible with soldering, brazing, and welding.



VRV / VRF STANDARD WEIGHT CHART							
SPECIFICATION AND SIZES FOR VRF COMPATIBLE AIRCONDITION GRADE COPPER STRAIGHT TUBES							
SR. NO.	CATEGORY	SIZES DESCRIPTION	TEMPER	WEIGHT PER METER [IN KGS]	WEIGHT PER TUBE (10 FEET) [IN KGS]	NO. OF TUBES PER BUNDLE	APPROX WEIGHT PER BUNDLE [IN KGS]
1	VRV / VRF	1/4" (6.35 mm) * 21 SWG (0.80mm)	HARD	0.125	0.380	60	22.8
2	VRV / VRF	3/8" (9.52 mm) * 21 SWG (0.80mm)	HARD	0.197	0.600	50	30.0
3	VRV / VRF	1/2" (12.70 mm) * 21 SWG (0.80mm)	HARD	0.267	0.815	40	32.6
4	VRV / VRF	5/8" (15.88 mm) * 19 SWG (1.00mm)	HARD	0.418	1.275	25	31.9
5	VRV / VRF	3/4" (19.05 mm) * 19 SWG (1.00mm)	HARD	0.507	1.545	25	38.6
6	VRV / VRF	7/8" (22.22 mm) * 19 SWG (1.00mm)	HARD	0.595	1.815	20	36.3
7	VRV / VRF	1" (25.40 mm) * 20 SWG (0.90mm)	HARD	0.623	1.900	20	38
8	VRV / VRF	1" (25.40 mm) * 19 SWG (1.00mm)	HARD	0.686	2.090	20	41.8
9	VRV / VRF	1 1/8" (28.57 mm) * 19 SWG (1.00mm)	HARD	0.774	2.360	15	35.4
10	VRV / VRF	1 1/4" (31.75 mm) * 18.5 SWG (1.10mm)	HARD	0.945	2.880	10	28.8
11	VRV / VRF	1 3/8" (34.92 mm) * 18 SWG (1.21mm)	HARD	1.145	3.490	10	34.9
12	VRV / VRF	1 1/2" (38.10 mm) * 17.5 SWG (1.32mm)	HARD	1.362	4.150	8	33.2
13	VRV / VRF	1 5/8" (41.28 mm) * 17 SWG (1.43mm)	HARD	1.599	4.875	7	34.1
14	VRV / VRF	1 3/4" (44.45 mm) * 16 SWG (1.62mm)	HARD	1.947	5.935	6	35.6
15	VRV / VRF	2 1/8" (54.00 mm) * 16 SWG (1.62mm)	HARD	2.380	7.255	5	36.3

WE ALSO CATER SIZES TO FIT CUSTOMER REQUIREMENTS, AVAILABLE IN THE DIMENSIONS MENTIONED BELOW.

OUTER DIAMETER : 2mm to 250 mm

LENGTH : UPTO 3 MTRS OR AS REQUIRED

THICKNESS : 0.30 MM TO 20 MM

TEMPER : O/HH/H.

SHAPES : Round, Square, Rectangle, & Other Sections as per requirement



Copper Fittings

Our range of Copper Fittings provides reliable, leak-proof connections for HVAC and plumbing systems. These fittings ensure seamless integration into copper tubing networks, offering excellent durability and corrosion resistance. From elbows to tees and reducers, Solit International's copper fittings are the perfect choice for creating customized systems that last.

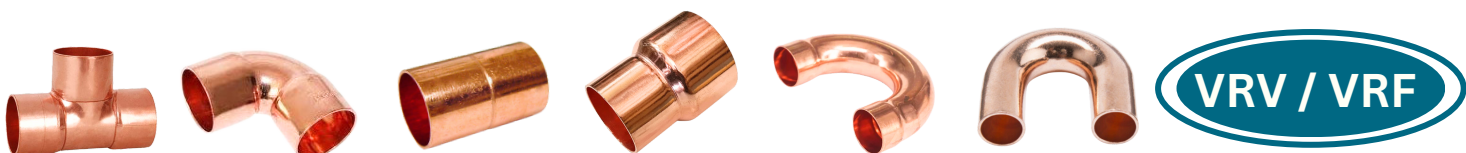
KEY FEATURES:

- **Precise Fit:** Ensures leak-free and secure connections.
- **Corrosion-Resistant:** Durable in various environments, including moisture-prone areas.
- **Strong and Reliable:** Withstands high pressure and temperature changes.
- **Wide Range :** Available in all major categories .
- **Simple Installation:** Easy to install with standard techniques.
- **Long Service Life:** Minimizes the need for repairs and replacements.



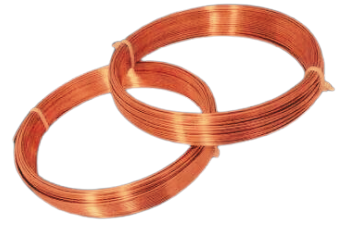
OUR RANGE OF COPPER FITTINGS :

- **Elbow 90°:** Ideal for sharp directional changes in piping systems with precision and durability.
- **Elbow 45°:** Provides smooth angular transitions for enhanced flow efficiency.
- **Coupling:** Ensures secure and leak-proof connections between pipe sections.
- **Reducer:** Facilitates seamless transitions between varying pipe diameters.
- **SWG U-Bend:** Designed for compact and efficient piping layouts in HVAC and plumbing systems.
- **Condenser U-Bend:** Engineered for optimal performance in heat exchange and condenser applications.
- **Tee:** Enables efficient branching of pipelines with equal or reduced diameter outlets, ensuring versatility in complex piping systems.



Copper Capillary

Solit International's Copper Capillary Tubes are designed for precise control of refrigerant flow in HVAC and refrigeration systems. These narrow tubes play a crucial role in controlling pressure and temperature, ensuring optimal system performance.



Copper Drier

Solit International's Copper Driers are designed to remove moisture and impurities from refrigeration and air conditioning systems. These driers ensure the efficient functioning of the system, preventing corrosion and maintaining optimal performance.



Copper Strainer

Solit International's Copper Strainers ensure the smooth operation of HVAC systems by filtering out impurities and debris. These strainers are essential for maintaining the efficiency and longevity of your equipment, protecting it from damage caused by contaminants.



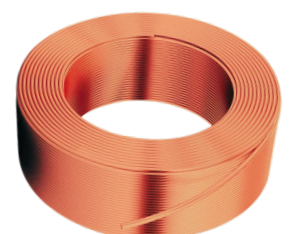
Copper End Cap

Solit International's Copper End Cap is designed to seal and terminate copper pipes, ensuring a secure and leak-proof closure. Its robust construction prevents corrosion and provides long-lasting durability.



Copper LWC

Copper LWC is a seamless coil designed for efficient material handling and reduced wastage. With its continuous length, it is perfect for refrigeration, air conditioning, and heat exchange applications.



Contact

You can reach us for any questions or to move forward with our proposal.



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