Metals And Welding Specialities offers high-performance **ERCuNi MIG & TIG Welding Wire** welding wires engineered for precision, durability, and superior weld quality. This copper-nickel alloy wire, known for its excellent corrosion resistance, is widely used in marine, chemical, and offshore applications. Manufactured under strict quality standards, it meets the requirements of **UNS C70600**, **ASTM B151**, and conforms to the **AWS A5.7 ERCuNi** classification, ensuring reliability and consistency for critical welding operations.

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The **ERCuNi** wire from Metals And Welding Specialities is designed to weld 70/30 copper-nickel alloys, as well as joints between copper-nickel and nickel-copper alloys. Its unique composition delivers outstanding resistance to seawater, brine, and acidic environments. This makes it the preferred filler metal in shipbuilding, desalination plants, and heat exchanger fabrication. The wire ensures high mechanical strength and stable arc characteristics, resulting in smooth, clean welds with minimal spatter and porosity.

ERCuNi MIG & TIG Welding Wire, ERCuNi MIG & TIG Welding Wire Manufacturers, ERCuNi MIG & TIG Welding Wire Suppliers, ERCuNi MIG & TIG Welding Wire Stockists, ERCuNi MIG & TIG Welding Wire Exporters

Our **ERCuNi MIG & TIG Welding Wire** wire is suitable for both **MIG (GMAW)** and **TIG (GTAW)** welding processes. The filler metal contains approximately 70% copper and 30% nickel, offering excellent resistance to stress-corrosion cracking and erosion in turbulent seawater. Welds made with this alloy maintain their integrity even under high-pressure and high-temperature conditions, ensuring long-term performance in challenging industrial environments.

Metals And Welding Specialities' advanced production technology guarantees uniform wire diameter, consistent chemical composition, and superior feedability, making it ideal for automated and manual welding systems. The wire's excellent thermal conductivity and metallurgical compatibility with base metals enhance productivity and reduce post-weld finishing time. Whether used in piping systems, condenser tubing, or marine structures, **ERCuNi** delivers exceptional joint strength and corrosion resistance that meet global standards.

ERCuNi MIG & TIG Welding Wire in India, ERCuNi MIG & TIG Welding Wire Manufacturers in India, ERCuNi MIG & TIG Welding Wire Suppliers in India, ERCuNi MIG & TIG Welding Wire Stockists in India, ERCuNi MIG & TIG Welding Wire Exporters in India

Our customers trust **Metals And Welding Specialities** for welding consumables that combine precision engineering with proven metallurgical performance. The **AWS Class ERCuNi** wire exemplifies our commitment to delivering materials that support efficient fabrication, long service life, and consistent weld quality across demanding applications. With every batch manufactured under ISO-certified facilities, you can rely on our expertise for your next project involving copper-nickel alloys.

Specification AWS Class ERCuNi Coated Electrodes

Classification	**A5.7 ERCuNi**
Form	MIG spools, TIG cut lengths, Reels and Coils
Type Of Welding	Inert Gas Welding
Standard TIG straight lengths are available	36" (914 mm) or 39" (1000 mm) lengths. Other lengths available upon request.
ERCuNi MIG & TIG Welding Wire Filler Metal Application & uses	Hardware tools Metallurgy Machinery Construction Shipbuilding Petroleum Chemical plant Power sector Gas Industry

AWS Class ERCuNi Coated Electrodes Chemical Composition

Cu	Remainder
Mn	1.0 max
Fe	0.40 – 0.75
Si	0.25 max
Ni	29.0 – 32.0
P	0.02
Pb	0.02
Ti	0.20 – 0.50
Other	0.50 max

AWS Class ERCuNi Coated Electrodes Parameters

Diameter		**Process**	**Volt**	**Amps (flat)**	**Amps (V/OH)**
in	**(mm)**				
.035	(0.9)	GMAW	26-29	150-190	Spray Transfer 100% Argon
.045	(1.2)	GMAW	28-32	180-220	Spray Transfer 100% Argon
1/16	(1.6)	GMAW	29-33	200-250	Spray Transfer 100% Argon
1/16	(1.6)	GTAW	14-18	90-130	100% Argon
3/32	(2.4)	GTAW	15-20	120-175	100% Argon
1/8	(3.2)	GTAW	15-20	150-220	100% Argon

People Also Searched

ERCuNi welding wire, ERCuNi MIG wire, ERCuNi TIG wire, copper-nickel filler metal, UNS C70600 welding rod, ASTM B151 copper nickel, AWS A5.7 ERCuNi, CuNi 70/30 welding wire, 70/30 CuNi filler rod, marine welding wire, seawater corrosion resistant wire, nickel-copper alloy wire, heat exchanger welding filler, copper-nickel MIG wire, ERCuNi GMAW wire, ERCuNi GTAW filler rod, copper-nickel 70/30 welding electrode, CuNi alloy wire, corrosion resistant welding wire, ERCuNi 70/30 filler, nickel copper marine grade wire, CuNi pipe welding filler, UNS C70600 filler wire, ASTM B151 grade C70600, ERCuNi solid wire, CuNi welding consumables, ERCuNi marine welding, copper nickel alloy TIG rod, AWS ERCuNi electrode, ERCuNi 70/30 welding wire, copper nickel joint welding, ERCuNi TIG filler metal, UNS C70600 copper nickel rod, ASTM B151 copper-nickel rod, CuNi 70/30 MIG wire, ERCuNi nickel-copper filler, AWS A5.7 copper nickel wire, ERCuNi heat exchanger welding.