

Flux cored wire for super duplex stainless steel

Kobe Steel Ltd has developed the DW-2594, an all positional flux cored wire for super duplex stainless steel ASTM32750 grade and ASTM 32760 grade. The wire operates with a very stable, spatter free arc producing a bright smooth weld bead surface and self releasing slag. The typical chemistry of weld metal is nominally 25.5% chromium, 9.5% nickel, 4% molybdenum and 0.25% nitrogen. The rutile flux design gives porosity resistance even with high nitrogen content in the weld metal. The new wire has the option of being shielded by 75%Ar-25%CO₂ gas mixture or 100%CO₂ gas (75%Ar-25%CO₂ recommended).

High speed wire rod line

Songding Steel has commenced production operations at its No 1 high-speed wire rod production line, which has a designed annual capacity of 350,000tns. The construction of the new line started on 11 August 2009 and lasted for nearly five and a half months. Meanwhile, the construction of the company's No 2 high speed wire rod line, with a planned annual capacity of 450,000tns is still continuing. This second line is expected to be put into production in March this year.

RS Introduces EcoWire

RS Components has announced the introduction of Alpha Wire's new environmentally-friendly hook-up wire, EcoWire™. EcoWire achieves expanded functionality over standard PVC-based hook-up wire with insulation that is fully recyclable. Using a modified polyphenylene ether (mPPE) thermoplastic that is inherently lighter, tougher and more durable than PVC, EcoWire is non-halogenic and contains no heavy metal pigments. The result is UL-approved AWM wire that helps manufacturers meet Waste Electrical and Electronic Equipment (WEEE) requirements. While PVC insulation is currently a mainstay of the wire and cable industry because of its mechanical and electrical properties and low cost, it presents environmental concerns. PVC is a halogen-containing material that emits toxic gases, toxic smoke, and toxic acids when burned that are hazardous to health and equipment. Newer materials, principally low-smoke, zero-halogen (LSZH) plastics emit no dangerous gases or smokes when burned. The drawback to LSZH is that it cannot be conveniently recycled and reused. Like PVC, it will sit in a landfill for centuries.

New steel core wire from Alcan Cable

Alcan Cable produces Ultra HS™ high strength steel core transmission cable for high temperature, low sag solution in

power transmission applications. Ultra HS™ steel core wire is used for maximum benefit with Aluminum Conductor Steel Supported (ACSS, ACSS/TW) and Aluminum Conductor Steel Reinforced Self Damping Conductor (ACSR/SD) products for power transmission line applications. Conductors with Ultra HS™ core wires provide the lowest sag possible on steel core transmission lines operating at temperatures up to 250°C. For Self Damping Conductors, the higher strength steel core increases their rated breaking strength and offers lower sag while still providing its usual vibration protection, up to operating temperatures of 100°C. With standard ACSR, Ultra HS™ steel core wires will provide a stronger conductor that can be installed within the usual tension limits used to prevent vibration damage.



WIRE - Projects

AREVA to build Indian substation

AREVA will build an Extra High Voltage substation at the Anpara "D" thermal power plant in the state of Uttar Pradesh (northern India). The Anpara "D" thermal power plant is one of the biggest in India with an installed capacity of 1630 MW. The new substation will improve power transfer capacity and reliability from eastern Uttar Pradesh, the regional power generation hub, to the western part of the state where it is consumed massively. The project is scheduled for completion by the end of 2011. Michel Augonnet, Executive Vice President of AREVA T&D's Systems business, said, "The Extra High Voltage segment is poised for rapid growth and our strong partnership with Indian state utilities puts AREVA T&D in a powerful position to capitalize on the emerging opportunities."

Leoni equips Siemens MRTs

Leoni has obtained an order for the wiring of the latest Siemens magnetic resonance tomography units. Leoni has equipped the latest generation of Siemens magnetic resonance tomography (MRT) units with standard and special cables since the end of

2009. Overall, the follow-up contract is worth an eight-digit euro amount.

With the glass and polymer fiber optic cables, copper conductors in the form of coaxial and symmetrical cables as well as fully assembled and ready-to-install cable systems supplied, the cable company ensures efficient data and signal transmission as well as power supply to the devices. Leoni has also developed a number of special hybrid cables that perform several functions with a smaller outer diameter and thus reduce the weight of the units. The new mobile table used with these MR units allow faster preparation of patients for scans is also fitted with Leoni cables.



New underground cable in Rijswijk, NL

Electricity transmission operator TenneT is planning to construct a 150 kV cable link from the Ypenburg residential district in The Hague via Rijswijk to Wateringen. The new underground cable is needed to realise a further expansion of the high-voltage grid in the region, and is part of the grid expansion TenneT is planning to complete in and around The Hague.

The new cable link will help secure the future supply of electricity to the region. It will cover a distance of approximately 5 kilometres and will be constructed between the high-voltage substations at Ypenburg and Wateringen, which are currently under construction. The high-voltage connection is scheduled to be taken into operation in 2010.

Nexans wins pumped-storage project

Nexans has been awarded a EUR 13 million turnkey contract to supply the power cables for the new Kraftwerke Linth-Limmern pumped-storage hydropower plant currently under construction in eastern Switzerland. This contract covers the design, manufacture, supply, installation, connection and commissioning of about 30 km of Extra High Voltage (EHV) cables. Nexans will supply six 380 kV XLPE-insulated underground cables, each approx. 5 km in length, which corresponds to the length of the underground access tunnel in which they will be installed. Laid in parallel to connect the new plant to the EHV power transmission grid, these cables will comprise copper core conductors with a cross-section of 1,600 mm².

The Limmern pumped-storage project in the Linth Valley will utilize the proximity of two existing water holding reservoirs by building an underground pumped-storage plant between the two lakes.

Company Profiles

Raccortubi Group

The Italian Raccortubi Group is one of the most important European stockholders, suppliers and manufacturers of piping materials used in critical applications such as the chemical and petrochemical industries, oil installations, power plants, shipyards and offshore platforms.

Established in 1949 as a distributor and stockist of fittings, in 1988 Raccortubi Group set up Tecnox Srl to produce butt-weld fittings in stainless steel and special alloys, in order to achieve greater autonomy regarding suppliers and cope with market requests. This strategic integration opened the way for synergies to develop, allowing the Group greater flexibility for stock optimization and increasing the level of personalization for the most demanding orders.

Today, Raccortubi Group is looking to the future with a completely new image and a new technical management and is strongly committed to constantly evolving its productive processes, with investments in R&D activities in 2009 alone of over EUR 1 million. Thanks to this effort, a new machining centre capable of working on 24 pieces simultaneously has been installed at Tecnox's plant while a new tailor-made concept of PMI testing, marking and packing was designed to perform all the operations entirely by robot.

Nearly half of the 25,000 m² modern and environmentally-friendly facility of the headquarters of Raccortubi Group is kept for the warehouse. The new layout of the logistic area allows the Company to stock over 5,000 items available for immediate delivery. In addition, customers who register with the "Web Paper" service can download and print from Raccortubi's web site the quality certificates before the products are collected or shipped.

Raccortubi Group operates with an ISO 9001 certification obtained from Lloyd's Register, which is extended to Tecnox production along with PED certification. Tecnox in particular is seeking to obtain further customers' approvals in the near future, including the nuclear sector.



Mr Luca Pentericci, Managing Director



RO-FI Edelstahlhandel GmbH

Know-how & finest quality

In almost thirty years of extensive experience RO-FI has matured to a most competent partner when it comes to premium stainless steel fittings, flanges, valves and pipes.

RO-FI is known for certified quality – that is why our entire product line complies with the most stringent quality and technical standard. Our concept of quality, know-how and effective service is our first and foremost objective in each and every respect.

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