

Nexans Wins Supply Contracts in France & Brazil

Nexans has been awarded its first over three-year traction cable contract for the Grand Paris Express by the installer **VINCI-Energies Traction**, consortium composed by Cegelec Mobility and SDEL Transport Grands Projets, two company parts of VINCI-Energies. The Consortium is in charge of providing the energy traction supply for the new metro line 15 South section.

Nexans is also the first cable maker to receive an order for this infrastructure project. For more than three years, Nexans will design, produce and supply over 240 km of traction cables to be installed along the rails for safer and more reliable traction power for the metro Line 15 South. Also, logistic services could be provided with the "PRIME Offer" of the Nanterre Logistics **Center**, where Nexans has invested €1.5 million in additional capacity.

Nexans has also extended its long-standing relationship with the **Subsea** Integration Alliance (SIA) by winning a major contract to design, manufacture and supply 44 km of steel tube umbilicals and accessories for the Ba-



calhau ultra-deepwater oil field development project. Nexans' specialized facility in Halden Norway will provide the SIA with steel tube umbilicals to provide vital services for subsea equipment operating at water depths down to 2100 m. This includes 2.5 km of gas-lift umbili-

cal, 35 km of static umbilical, 6.9 km of dynamic umbilical and accessories. Nexans will deliver the umbilicals in Q4 2022. www.nexans.com ■

NKT Invests Millions in HV Cable Factories & Logistics

In 2020, NKT was awarded large high-voltage power cable projects for €2.3 billion supporting the transition to renewable energy including a substantial part of the German Corridor Projects designed to transmit green

power from across the country. For NKT,



the large order backlog and the accelerated transition to renewable energy provides opportunities for future growth, and NKT is investing over €150 million in its high-voltage power cable manufacturing and logistics. The growing focus on renewable energy is a natural step for NKT to continue to develop high-voltage power cable capacity, capabilities and technology. NKT prepares for future growth and for execution of its large order backlog of offshore wind

and interconnectors projects. www.nkt.com

WIRE & CABLE STOCK INDEXES % CHANGE % CHANGE YTD 2021 since last issue **OVERVIEW 38** 4689 +5.2 +12.9**OVERVIEW Electrical** 3797 +5.9+10.3**OVERVIEW Communications** 935 +6.8+21.0**OVERVIEW Steel** 431 +3.3+38.5• All numbers are from prices listed on the market on June 9, 2021.

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June 14, 2021

Notebook

AEI Cables Wins Major Contract for Hong Kong International Airport

TheBigRedGuide.com reports that AEI Cables has won a multi-



million dollar contract to supply low-voltage

power and fire performance cables to the Sky City project at Hong Kong International Airport (HKIA). The supply of the cables for power, control and fire performance for the commercial and retail part of the site starts in September 2021 and will continue until early next year. AEI Cables will work with its Hona Kong distributor, Fordex Electric **Co. Ltd.** for the project .

www.aeicables.co.uk

L-com: New Cat.7 **Ethernet Cables**

L-com, a brand of Infinite Electronics, offers a new Cat. 7-rated



Ethernet cable assemblies that

provide high-speed voice, video and data connectivity to data centers, server farms, LANs and industrial networks where heavy

EMI/RFI is present. Four new cable series feature doubleshielded cable



with overall braid shield around individually shielded twisted pairs (S/FTP).

www.l-com.com



Southwire Honors Its Veterans & Enters **Partnership with Wounded Warrior Project**

Southwire's legacy has long been defined by service, a belief in doing what one person can to make a difference. In honor of Military Appreciation Month, the company dedicated time in May to pause, reflect and recognize the contributions of Southwire veterans and members of the military in its communities through many activities. Most notably, the company announced a three-year, US\$300,000 partnership with Wounded Warrior Project® (WWP). With a strong financial investment, this commitment will support Southwire's veteran recruitment, employee engagement, disability awareness and commercial projects.

Southwire's Officium Employee Resource Group, which works to enrich the lives of veterans at Southwire. led the company's efforts to honor the month. www.southwire.com



PDi2 welcomes Prysmian Group North America as board level member

Power Delivery Intelligence Initiative (PDi2), Cooperville, MI, USA, welcomes Prysmian Group North America as a board level member. Prysmian Group is a global leader in the energy and tele- **Prysmian** com cable systems industry. The Group designs and produces cables and solutions for the transmission and distribution of low, medium, high and extra highvoltage systems in addition to stateof-the-art solutions for high-voltage underground and submarine cable links in some of the most challenging environments.

Landry Molimbi, Head of Asset Management and Prysmian Electronics, Prysmian Group North America, is the member representative to PDi2.

> www.pdi2.com na.prysmiangroup.com



Fugro finishes first phase of trans-pacific Bifrost cable

Fugro has completed the first phase of its marine site characterization project for Alcatel Submarine Networks (ASN) to support the Bifrost Cable System, a new undersea fiber optic cable system that will connect the west coast of North America, Guam, Indonesia, the Philippines and Singapore. The transpacific routes off the west coast of North America have now been surveyed and the project will soon continue on the Indonesia segment through the Celebes and Java seas.

ASN is installing the cable system for a consortium comprising Kep-



source supplier for the wire and cable industry



mholland.com

800-608-1577

June 14, 2021

Tratos Awarded Five-Year Contract by Network Rail

Network Rail has awarded cable manufacturer **Tratos UK Ltd**, Knowsley, Merseyside, England, a five-year cable supply framework contract. The company, which has been innovating in the rail sector for more than 50 years, was awarded the contract after meeting the stringent quality, technical and commercial requirements of one of the UK's largest organizations.

Welcoming the news, Tratos CEO **Dr. Maurizio Bragagni** said, "We are

looking forward to working closely with Network Rail. We are unusual in the cable industry – in what we do, in the way we do it and in the way our company operates. We are in the business of solving problems,





= TRATOS T

NetworkRail

pel, Facebook and Telin to meet increased demand for broadband connectivity between the west coast of North America and Asia-Pacific. www.fuaro.com

Wytech names David Ohmann as President

Wytech Industries, Rahway, NJ, USA, a Vance Street Capital portfolio company, a leader in the development and manufacturing of wire and metal tube based products

for the medical device industry, has named David Ohmann as President, effective immediately.



With the recent investment by Vance Street Capital, Wytech has added new manufacturing technologies and increase production capacity to scale both development services and contract manufacturing.

Ohmann has nearly 25 years of experience in international, orthopedic, and advanced surgical medical device segments.

www.wytech.com

Kinderhook partners with management to recapitalize Cameron Wire & Cable

Kinderhook Industries, LLC, New York, NY, USA, announced the recapitalization of Cameron Wire & Cable, Inc. in conjunction with management. Financial terms of the transaction were not disclosed. Cameron W&C Founder and Presi-



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Notebook

Prysmian & Emtelle Settle
Patent Infringement Claim
Prysmian Group, world leader in the energy and telecom cable systems industry, Prysmian together with its Group subsidiary in the UK Prysmian Cables & Systems Limited, have settled proceedings for patent infringement in the UK High Court against Emtelle UK Limited.
Emtelle has admitted that one or more of the patents in the action were infringed by certain FibreFlow Minicable products

www.prysmiangroup.com

sold by Emtelle.

Priority Wire Increases Charges for Building Wire

Higher lumber costs cause **Prior**ity Wire to increase its Cut and Parallel charges for Aluminum Building wire. New Cut Charges are 6 awg to 4/0 awg: US\$25/ cut: 250 mcm to 500 mcm: US\$50/cut: and 600 mcm to 1000 mcm: US\$60/cut. New Parallel Charges are 6 awg to 4/0 awg: US\$40/leg: 250 mcm to 500 mcm: US\$60/leg; and 600 mcm to 1000 mcm: US\$70/leg. You can avoid or limit Cut and Parallel charges by purchasing random stock lengths, considering for short cuts or parallels, layer winding onto the reels and buying bulk reels or standard length reels.

www.prioritywire.com



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June 14, 2021

Notebook

LAPP Introduces 12 New Cable Products

The **LAPP** portfolio is being expanded continuously, with a variety of new products for industrial communication, mechanical and plant engineering



and the rail industry. Solutions for industrial communication are the ETHERLINE® T1 product family, ETHERLINE T1 Y Flex 1x2x22/7 AWG products, highly flexible ETHERLINE FD Cat.6 patch cables and FTHFRLINE CABINET CAT.6A for the control cabinet in PROFINET® networks. Solutions for mechanical and plant engineering include UNITRONIC® LiYY BK, twisted pair version UNITRONIC LIYY (TP) BK, single core H07V-U with HAR design certification, ÖLFLEX® PLUG 540 P with the proven ÖLFLEX 540 P cable for appliance and cabinet construction and the metric, liquid-tight SILVYN® FPAD-M. LAPP is also strategically expanding its portfolio for the rail industry. The single-core cable ÖLFLEX® TRAIN 331 600 V for rail vehicles is now also now be provided in further dimensions (0.5 mm² and 0.75 mm²) as well as in additional colors.

t3.lappcdn.com



AMI Report: European Cables Market Recovers Strongly from Pandemic; Continued Growth Expected through 2025

AMI Consulting experts in the plastics market, just published the new

edition of its in-depth market report that analyses the use of polymeric materials in the

European cables industry. This niche but high-value market saw an increase of 2.8%/year between 2016 and 2019. During this time, the problems suffered by the automotive sector offset the growth seen across other applications such as renewables or telecommunications. In 2020, the industry was negatively impacted by COVID-19, in particular during the year's first half. But the market has seen a strong beginning of 2021 and it is expected to reach pre-COVID levels despite the raw material sourcing issues faced across the supply chain early in the year. The future for cables in Europe looks bright as it is expected to grow at a faster rate between 2019 (pre-COVID levels) and 2025. Growth will be mainly driven by investment in infrastructure, construction and renewables.

The AMI report quantifies the market and identifies its demand drivers, material selection trends, the regulations affecting and the changes underway. The report also provides a historic snapshot of the industry's biggest players and a site-by-site outline of polymeric material consumption. It provides an analysis of the past and an outlook for the future, based on 2016-2020 data and forecasts for 2021-2025.

Polymeric materials in the European Cable Industry 2021 aims at assisting industry participants and investors understand the size, structure and growth of the market, anticipate change, direct resources and proactively manage threats and opportunities.

For more, email **Cristina de Santos** at: **cristina.desantos@ami.international.** www.ami.international

dent, Robert Cameron, will continue his active involvement in the company and join the company's Board of Directors. As part of the transaction, Kinderhook adds several of its Operating Partners to Cameron W&C's Management and Board of Directors, including Ed Flynn, former CEO of International Wire Group, and Craig York, CEO of Kinderhook portfolio company, Copperweld.

www.kinderhook.com

LAPP price adjustment

LAPP reports that since its last price announcement, its noncopper input costs have continued to escalate. Therefore LAPP has

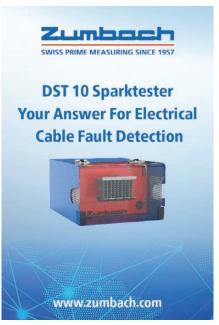
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announced percentage increases and costs including 6% to 8% for insulating and jacketing materials and compounds; up to 26% for color concentrates; 9% to 24% for tapes and fillers; 9% to 25% for reels and packaging; and in excess of 10% for transportation.



June 14, 2021

Interwire 2021 Reports Company Sponsors & Registration Details for October Event

The **Wire Association International** *Interwire 2021* registration is now open (WAI), Inc. announces the participation of 20 company sponsors that support

INTERWIRE

at the website below. Since all activities will be held on the exhibit floor, registra-

Interwire 2021 and the WAI's 91st Annual Convention, which will be held at the Georgia World Congress Center (GWCC), Atlanta, Georgia, USA. The new show dates are October 26 to 27. 2021. Guests will be able to explore the technologies associated with Industry 4.0—the theme for the event—by visiting the Industry 4.0 pavilion, the various exhibits, presentations and briefings on the topic.

tion includes the Industry 4.0 sessions, exhibits, keynote, production solutions, and welcome reception. Advance registration pricing is as follows: WAI member: US\$75; New WAI member: US\$140; Nonmember: US\$175. Registration for the hybrid Fundamentals of Wire Manufacturing course is separate as follows: WAI member: US\$295: New WAI member: US\$395: Nonmember: US\$445. www.interwire21com

Despite efforts to mitigate these costs LAPP is unable to do so, therefore effective May 3, 2021, a base price increase of 7% to 9% was implemented on all new orders. lappusa.lappgroup.com

Luvata invests in hot extrusion line in Finland

Luvata, Pori, Finland, has invested €34 million in a new hot extrusion line and facility on its prem-

ises in the Pori

Complex. The new 5237 m² facility will house the new 130 m long by 30 m wide, and 55 MN hot extrusion press, which also includes the latest in robotics and automation technologies.

Construction of the new building includes over 1000 concrete and steel piles to support the 1000 ton hot extrusion press, five times the weight of a Boeing 747.

www.luvata.com



RichardsApex Appoints Janelle Gerardi & Howard Luckey

Drawing lubricants supplier, RichardsApex, Philadelphia, PA,

USA, has appointed Janelle Gerardi as Senior Chemist within the R&D team. "Janelle has



made critical contributions to our next generation products," said Bruce Calvert, Executive VP.

RichardsApex also named Howard Luckey Plant Manager of the

Philadelphia operation. Luckev started at the firm in 1984 and has worked his way through



various plant positions. He most recently was Shipping Manager.

www.richardsapex.com

Glenn Liacouras to CCO at Allied Wire and Cable

Allied Wire and Cable welcomes its new Chief Commercial Officer (CCO), Glenn Liacouras, who will oversee Sales and Marketing, en-



Notebook

Bekaert Expanding in Russia

At the recent St. Petersburg BEKAERT International Economic Forum

(SPIEF '21), in the presence of Artamonov Igor Georgievich, Governor of the Lipetsk region, and Koen Groothaert, Vice-President **Bekaert Operations Rubber Reinforcement ERMEA** an agreement was signed on new expansion plans for the Bekaert Lipetsk, Russia, plant including a new bead wire production line and expansion of tire cord manufacturina. The expansion will provide superior value to customers, contribute to customers' growth ambitions and facilitate an export platform to the European region.

www.bekaert.com

Corning's New Optical Fiber for 5G, Cloud and Beyond

Corning SMF-28® Contour optical fiber, helps telecommunica-

tions operators address the expanding number of connected devices, build-out



of 5G networks and advances in cloud computing. Networks perform best when errors are minimized during fiber installation and infrastructure is used efficiently during upgrades. Corning engineered SMF-28 Contour fiber to meet those needs.

www.corning.com



June 14, 2021

Notebook

OCC & CommScope Patent
Cross-License Agreement
Optical Cable Corporation
(OCC®) has announced that OCC

and CommScope have entered into a long-term agreement to cross-license portions of their patent portfolios. The cross-license agreement relates to certain copper data communication connectivity patents of both OCC and CommScope, in addition to OCC's inbuilding wire-

less patents. Both companies can access and implement the other's licensed patents and technologies per the agreement.

www.occfiber.com www.commscope.com

Draka Cable Upgraded BU Multimedia Solutions (BU MMS), of Prysmian Group, has added more fire safety to another copper cable. The Draka UC500 AS23 Cat.6A F/FTP is now available in CPR fire protection class B2ca s1a d1 a1. The upgrade from class Cca to B2ca offers users higher fire safety with

the same performance and manageability. The mechani-



cally robust AWG-23 copper cables ensure high resistance due to the LSHF-FR outer jacket.

www.draka-cable.com

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EWPTE 2022 Issues "Call For Participation"

WHMA/IPC expands the Educational Offerings at *Electrical Wire Processing Technology Expo (EWPTE 2022)* to lead, educate and connect with firms in the cable and wire harness industry. WHMA/IPC invites engineers, researchers, academics, industry experts/leaders to submit technical conference abstracts for *EWPTE 2022*, May 10 to 12, 2022, at the **Wisconsin Center** in Milwaukee, WI, USA.

An approximate 300-word technical

conference abstract summarizing original and unpublished work covering case histories, research and discoveries must be submitted. These should describe significant results from experiments and case studies, emphasize new techniques, trends of interest and contain appropriate technical test results. Presentations will be limited to 30 minutes. Paper abstracts and course proposals are due November 16, 2021. www.electricalwireshow.com



suring that the company continues to provide excellent customer sup-



port. When it comes to sales, marketing, and customer engagement, Liacouras has plenty of ex-

perience that will benefit both Allied Wire and Cable and its customers.

www.awcwire.com

Sumitomo Electric wins offshore cable contract

Sumitomo Electric Industries, Ltd. was awarded a contract by UK Offshore Transmission Owner, Gwynt y Môr OFTO Plc. to supply 132 kV offshore export cable to transmit power from a 576-megawatt offshore wind farm located approximately 15 km off the North Coast of Wales to the onshore grid.

SUMITOMO ELECTRIC

Sumitomo Electric's state-of-theart submarine cable technology was selected by GYM to increase the reliability of its power transmission asset and maximize the availability of the wind farm.

www.sumitomoelectric.com

Michelle Ferero Welcomed as Human Resources Director at Hitachi Cable America

Hitachi Cable America Inc. (HCA), a leading manufacturer of

premise, fiber optic and specialty cables welcomes Michelle Ferero as Executive Director of Human



Resources of the Performance Cable Systems and Materials Division of HCA.

As a SHRM senior certified professional in human resources, Ferero brings over seven years of direct Human Resources leadership, complemented by over 11 years of professional experience in the legal and financial sectors.

www.hca.hitachi-cable.com



www.mesgo.it



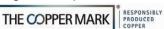
June 14, 2021

| Sales & Net Income Table | | | Net Income | | |
|--|-------|-------|------------|------------|--|
| Company | Sales | %∆_ | (Net Loss) | % ∆ | |
| Aptiv PLC | 4023 | 24.7 | 295 | -81.2 | |
| Lear Corporation | 5354 | 20.1 | 204 | 166.6 | |
| LEONI AG* | 1353 | 19.9 | 28 | 141.8 | |
| Nortech Systems Incorporated | 22 | -19.6 | (2) | -1234.3 | |
| Prysmian SpA* | 2810 | 4.6 | 76 | 230.4 | |
| Latest Quarterly Sales/Net Income data in LISS millions (* in millions of Euros) % A relative to 2020 guarterly data | | | | | |

Superior Essex is corporate partner of The Copper Mark

Superior Essex has completed an agreement to become the eighth corporate partner of The Copper Mark, the only comprehensive social and environmental assurance program for the copper industry.

The partnership aligns with the Superior's corporate sustainability goals and its recently announced Vision 2030 for the Essex Furukawa Magnet Wire brand, to responsibly source raw materials being used in its magnet wire products.



The Copper Mark is an assurance framework to demonstrate the copper industry's responsible production practices and industry contribution to United Nations Sustainable Development Goals.

www.essexfurukawa.com

Carpenter Technology raises base prices on specialty alloys

Carpenter Technology Corp. Philadelphia, PA, USA, has increased base prices 6% to 9% on new, noncontract orders across all specialty alloy products. Increases began with new orders placed after May 24, 2021. Applicable



surcharges remain in effect.

ir.carpentertechnology.com

Leviton expands enterprise & data center networks products

Leviton has expanded its portfolio of Pre-Terminated Copper Trunk Cables with new Cat. 6, Cat. 6A, Cat. 7 and Cat. 8-rated options, and now offers additional bundle sizes for greater flexibility. Most trunks can now be configured and manufactured within two weeks at Leviton's EMEA Data Centre Factory.

Quarterly Dividends Report...

- Amphenol Corp., Wallingford, CT, USA, declared dividend of US\$0.145/share, payable July 14, 2021, to shareholders of record as of June 22, 2021. *investors.amphenol.com*
- Aptiv PLC, Dublin, Ireland, declared a quarterly cash dividend of US\$1.375/share on its 5.50% Series A Mandatory Convertible Preferred Shares, payable June 15, 2021, to shareholders of record at the close of business on June 1, 2021. www.aptiv.com
- Carlisle Companies Inc., Scottsdaole, AZ, USA, declared a dividend of US\$0.525/share, payable on June 1, 2021, to shareholders of record at the close of business on May 17, 2021. www.carlisle.com
- Encore Wire Corp., Mcinney, TX, USA, has declared a cash dividend of US\$0.02/share, payable on July 16, 2021, to stockholders of record at the close of business July 2, 2021. www.encorewire.com
- Insteel Industries Inc., Mount Airy, NC, USA, declared a quarterly cash dividend of US\$0.03/share on the its common stock, payable June 25, 2021, to shareholders of record, June 11, 2021. insteelgcs.gcs-web.com



Notebook

Global Cable Market to Hit US\$425.4 Billion by 2025

According to a new report from **BCC Research LLC**, Wellesley, MA, USA, the global cables market is expected to grow from US\$336.2 billion in 2020 to US\$425.4 billion by 2025 at a compound annual growth rate (CAGR) of 4.8% for the period of 2020-2025.

The report forecasts the size of the power and telecom cable market for components from 2019 through 2025. The Executive Summary provides a snapshot of key findings of the report. The report's Overview and Definitions chapter introduces cabling applications and technologies. The Detailed Market Breakdown chapter provides an all-round view of the power cable and telecom cable market.

The chapter on Raw Materials and Pricing reviews availability and pricing scenarios of major raw materials and continues with an analysis of the pricing trends of different types of power and telecom cables. The Vendor and Market Analysis chapter analyzes the broad trends governing the cabling market. The U.S. Patent Analysis chapter analyzes U.S. patents granted in the relevant areas of power and telecommunications cables.

www.bccresearch.com



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Strong Industry Support New Dates for wire India for wire 2022 & Tube 2022

Since the exhibitor registration for wire 2022 and Tube 2022 opened in March 2021, it has been apparent that the wire and tube industries are committed to the two events. Messe Düsseldorf says that it looks forward to making the trade fairs the international business platforms for the sectors again next year. wire and Tube take place May 9 to 13, 2022, at the fairgrounds in Düsseldorf, Germany.







The hall planning for both trade shows begin on June 30, 2021, which is also the official exhibitor registration deadline.

wire 2018 and Tube 2018 exhibitors can easily register for the 2022 trade show events with their existing log-in, and they can make necessary changes on the registration form. First-time exhibitors will be guided step-by-step through the online application process at the website below.

www.wire-tradefair.com/en/Exhibitor/ Become_exhibitor/Online_Application www.tube-tradefair.com/en/Exhibitor/ Become exhibitor/Online Application

Or to find additional information wire 2022 and Tube 2022, visit the show websites below.

> www.wire-tradefair.com www.tube-tradefair.com www.mdna.com

and Other Metal Fairs

With pandemic uncertainties still lingering, Messe Düsseldorf India has decided to move the wire India. Tube India. METEC India and India Essen Cutting & Welding metal show quartet to 2022.



These events, originally scheduled for September 8 to 10, 2021, at the **Bombay Exhibition Centre** in Mumbai, India, will now be held at the Bombay Exhibition Centre from November 23 to 25, 2022.

> www.wire-india.com www.tube-india.com www.metec-india.com www.iewc.in

New Dates for Cable and Wire Fair in India

Cable and Wire Fair 2022 organizers announce a new show dates.



Cable and Wire Fair 2022 now takes place from March 1 to 3, 2022, in Halls 2 and 3 at **Pragati Mainden** in New Delhi, India.

www.cablewirefair.com

June 14, 2021

June 22 - 24, 2021

Polymers in Cables Virtual Summit www.ami.ltd/event-cables-USA-virtual

July 21 - 23, 2021

Wire & Cable Guanazhou, Guanazhou, China. www.wire-cable-china.com

August 31, 2021 - September 2, 2021

WireShow 2021, Shanghai, China www.wire-cable-china.com

September 14 - 16, 2021

Cables 2021, Cologne, Germany www.ami.ltd/event-cables

October 4 - 8, 2021

IWCS Virtual Cable & Connectivity Symposium www.iwcs.org

October 5 - 7, 2021

wire South America 2021, Sao Paulo, Brazil www.wire-south-america.com

October 26 - 27, 2021

Interwire 2021, Atlanta, GA, USA www.interwire21.com

November 8 - 10, 2021

Jicable HVDC'21, Liège, Belgium hvdc21.jicable.org

February 9 - 11, 2022

wire Southeast Asia 2022, Bangkok, Thailand www.wire-southeastasia.com

February 15 - 17, 2022

WHMA Annual Conference Tucson, AZ, USA, www.whma.org

March 1 - 3, 2022

Cable and Wire Fair 2022, New Delhi, India www.cablewirefair.com

April 9, 2022

WCMA Distinguished Career Award Hartford, CT, USA, www.wcmainc.org

May 9 - 13, 2022

wire 2022, Düsseldorf, Germany www.wire-tradefair.com • www.mdna.com

May 10 - 12, 2022

Electrical Wire Processing Expo (EWPTE) Milwaukee, WI, USA www.electricalwireshow.com

September 21 - 22, 2022

M-EXPO, Juarez, Mexico www.mexpowire.com

September 26 - 29, 2022

wire China 2022, Shanghai, China www.wirechina.net • www.mdna.com

November 23 - 25, 2022

wire India 2021, Mumbai, India www.wire-india.com • www.mdna.com

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