



CELEBRATING 75 YEARS OF INNOVATION

Cable & Connectivity Industry Forum™

by IWCS

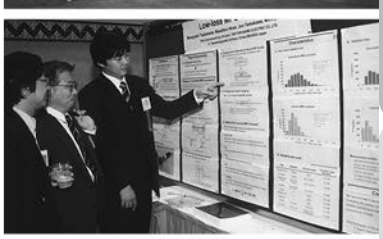


NOVEMBER 1–4, 2026 | ORLANDO, FLORIDA, USA



Event Program, Schedule, & Exhibitor Directory





IWCS.ORG



#IWCS2026







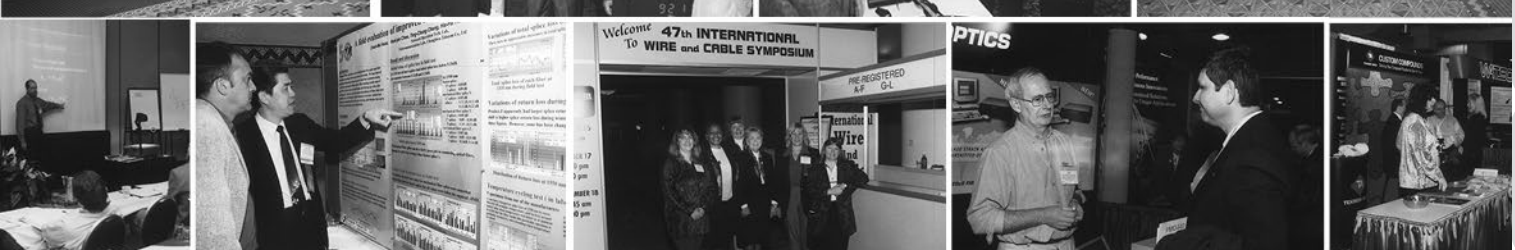


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CELEBRATING

CARRISREELS
employee-owned • customer-driven

Cable & Connectivity Industry Forum
by IWCS

Booth 235
NOV 1st - 4th
Orlando, FL

75 YEARS

75 years of expertise.
Countless innovations ahead.
From our first reel to our latest design, everything we build draws on decades of real-world experience so your operations run smoother, stronger, and smarter.



Discover what 75 years of experience can do for you at **CARRIS.COM**

CELEBRATING 75 YEARS OF INNOVATION

We are thrilled to present to you the 75th annual IWCS Cable & Connectivity Industry Forum. In addition to a strong technical program, this year's event features special elements to commemorate the rich history of IWCS and the industry innovation that has happened since IWCS was founded in 1952. Presented by Corning, HFCL, and Prysmian, the Cirque Royale reception on Monday offers an unforgettable evening of wonder, celebration, and connection. Plan to join us alongside colleagues, customers, and friends for an evening of entertainment, celebration, and connection as we toast the past, present, and future of IWCS.

Be sure to visit the exhibition hall to meet with 80+ exhibitors, including 15 first-time exhibitors. Also included in the exhibition is the chance to win multiple door prizes, complimentary professional headshot photos, Supplier Spotlight Presentations, refreshments, libations, and networking. Lunch options are available for purchase in the exhibition hall on Tuesday. Eat at the tables alongside the stage to experience Supplier Spotlight and "75 Years of Innovation" presentations.

Prize drawings happen in the Exhibit Hall on Monday at 5:30 PM and Tuesday at 1:15 PM. Raffle tickets will be distributed with your event badge when you register. Drop your raffle ticket at the IWCS booth #213 before each prize drawing for your chance to win a Jackery Solar Generator. Technical symposium attendees are eligible for a third drawing on Wednesday afternoon in the Technical Session area.

Don't miss a thing! Be sure to use the attendee portal to quickly access event information such as the most up-to-date Program, event schedule, Supplier Exhibition™ floor plan, Technical Symposium papers, and more. Want to view a Technical Paper or speaker bio? Full-Access attendees are encouraged to use the event portal for a searchable database of Technical Papers and access the Proceedings*, an e-book which contains all of the Technical Papers and Forum presentation content. Be sure to stay through the afternoon of Wednesday, November 4th for the extremely compelling Technical Sessions. A boxed lunch will be available for you to eat while you learn!

Our most important goal is to meet all of your expectations for a valuable learning and networking experience. We hope you enjoy the 75th annual IWCS Cable & Connectivity Industry Forum!

* *The IWCS Proceedings are available in a digital format that is available to registered full-access attendees.*

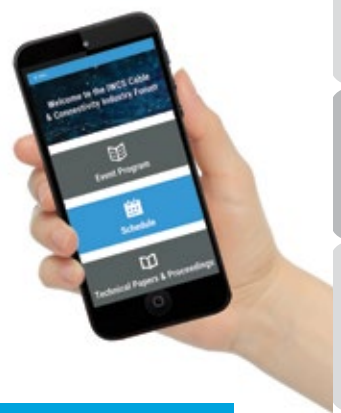
Visit the IWCS Event Portal (web-based app) at iwcs.org/portal

(no download required)

Make the most out of your event experience!

The event Portal contains the most up-to-date event information, schedule, and Supplier Exhibition floor plan. Want to follow along with Technical Paper Presentations? Use the Portal to open the Technical Paper database or Proceedings e-book on your digital device.

Scan to Open



GET FEATURED ON THE SOCIAL WALL: **Include #IWCS2026 in your LinkedIn post!**

IWCS Photography Policy

Attendance at, or participation in, this conference constitutes consent to the use and distribution by IWCS of the attendee's image or voice for informational, publicity, promotional, and/or reporting purposes in print or electronic communications media. Video Recordings by participants and other attendees during any portion of the conference are NOT allowed without prior written permission of IWCS. Photographs of copyrighted, confidential and/or proprietary PowerPoint or other Presentation Slides are not to be taken, reproduced or distributed. Do NOT photograph any such images without prior permission of the Author / Presenter.

Want a copy of your photo taken by the official event photographer?

IWCS offers immediate access to photos taken by the IWCS event photographer. Photos will be available on the Event Portal, and you can also sign up to receive photos of yourself through the photographer's facial recognition system. Scan the following code for complimentary registration for the photography system to receive your photos on your mobile device. Be sure to visit the exhibition on Tuesday 12:30–2:30 to have your professional photo taken for free!

Register to Get Photos

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Wire & Cable Technology International

Wire & Cable Technology International (WCTI) magazine is the official media partner of IWCS. IWCS appreciates WCTI's support organizing the advertisements and exhibitor descriptions that are included in this program. Visit **wiretech.com** to subscribe to Wire & Cable Technology International magazine.

ON-SITE REGISTRATION SCHEDULE

Registration and badge pick-up is at the Sun Ballroom Lobby on Level 2 of the Gaylord Palms Convention Center during the following hours. All conference attendees must register and obtain a badge. Badges must be worn at all times. Dress code is business casual.

Sunday	November 1	8:00 AM – 6:00 PM
Monday	November 2	7:00 AM – 6:00 PM
Tuesday	November 3	8:00 AM – 5:00 PM
Wednesday	November 4	8:00 AM – 2:00 PM

TECHNICAL SYMPOSIUM



The IWCS Symposium Committee has generated an extremely high-caliber program for the IWCS Technical Symposium, the cornerstone of the Cable & Connectivity Industry Forum. The IWCS Technical Symposium is recognized around the world as the premier technology event for cable and connectivity. The Symposium allows attendees to experience previously unpublished technical papers featuring research and development for cabling and connector/interconnect technologies, designs, components, materials, fabrication, performance, testing and applications. The Technical Program will begin on Monday, November 2nd with compelling Technical Sessions running simultaneously through Wednesday afternoon, November 4th. ***See pages 18-22 for details.***

EXECUTIVE SESSION



The Executive Session is designed for the general management of the cable & connectivity industry supply chain companies. Important issues and economic trends facing the industry in these uncertain times will be addressed by expert speakers, including the highly-regarded annual Economic Outlook by Robert Fry. You will not want to miss this provocative and insightful session happening Monday morning. ***See pages 12-13 for details.***

PLENARY LUNCHEON WITH KEYNOTE



Featuring a keynote address by Matthew Griffin, best-selling author and founder of 311 Institute, the Plenary Luncheon promises to be a highlight of the 2026 Forum. During the Plenary Luncheon, we will also recognize the best papers and presenters from last year's event and honor a number of individuals who have contributed to the long, successful history of IWCS. ***See pages 13-15 for details.***

SPECIAL SESSIONS - CRITICAL TRENDS AFFECTING THE CABLE INDUSTRY



Expanding upon the topical panel discussions and special programs that were added to recent IWCS events, this year's Forum will feature two unique sessions that address topics and trends critical to the cable industry. These special sessions will include panel discussions and presentations that include expert perspectives on these important themes. ***See pages 15 and 20 for details.***

PROFESSIONAL DEVELOPMENT COURSES



The "elective" courses will commence on Sunday afternoon with three concurrent courses. The "core" courses take place on Monday morning. Discounted fees are available for attendees who choose to participate in two courses – one "core" course and one "elective" course. ***Please note:*** "Full-Access" registration must be purchased separately to access the Technical Symposium sessions. ***See pages 16-17 for details.***

SUPPLIER EXHIBITION™



The IWCS Supplier Exhibition™ allows over 80 exhibitors to display cutting-edge products and network with attendees from around the world. Visit the exhibition to experience a wide variety of product technologies and user applications. Don't miss the special Supplier Spotlight Presentations which provide additional opportunities to learn about the latest product innovations and services from the suppliers of our industry.

CIRQUE ROYALE ANNIVERSARY CELEBRATION

presented by CORNING HFCL prysmian



Please join us on Monday evening from 6:00–8:30 PM on the Coquina Lawn of the Gaylord Palms to enjoy an unforgettable circus-inspired reception while we celebrate 75 years of IWCS. ***See page 8 for details.***

REGISTRATION REQUIRED — ***Full-Access*** — ***Supplier Exhibition™*** — ***Courses*** — ***Cirque Royale***

GAYLORD PALMS RESORT MAP (OVERVIEW)



COLOR LEGEND

- St. Augustine
- Key West
- Emerald Bay
- Everglades
- Convention Center
- Property Grounds

KEY

- Concierge
- Front Desk
- Valet
- Bus
- Taxi
- Car Rental
- Bell Services
- Smoking Area
- Restrooms
- Elevator
- Stairs
- Escalator
- FedEx Office Business Center
- ATM
- Guest Laundry *(Lower Level)*

DINING & DRINKS

1. MOOR
2. Villa de Flora *(Mediterranean Buffet)*
3. Wreckers Sports Bar
4. SandBar
5. Old Hickory Steakhouse
6. Socio

EATERY

7. The Cocoa Bean Express
8. The Cocoa Bean Coffee House
9. Honeybells Frozen Yogurt
10. Emerald Bay Marketplace

PRIMARY IWCS FORUM AREA

SHOPPING

1. Mallory Square Market
2. Island Paradise
3. Emerald Bay Emporium
4. PGA TOUR Shop
5. Brighton Collectibles
6. Alligator Alley
7. Relâche Spa Boutique

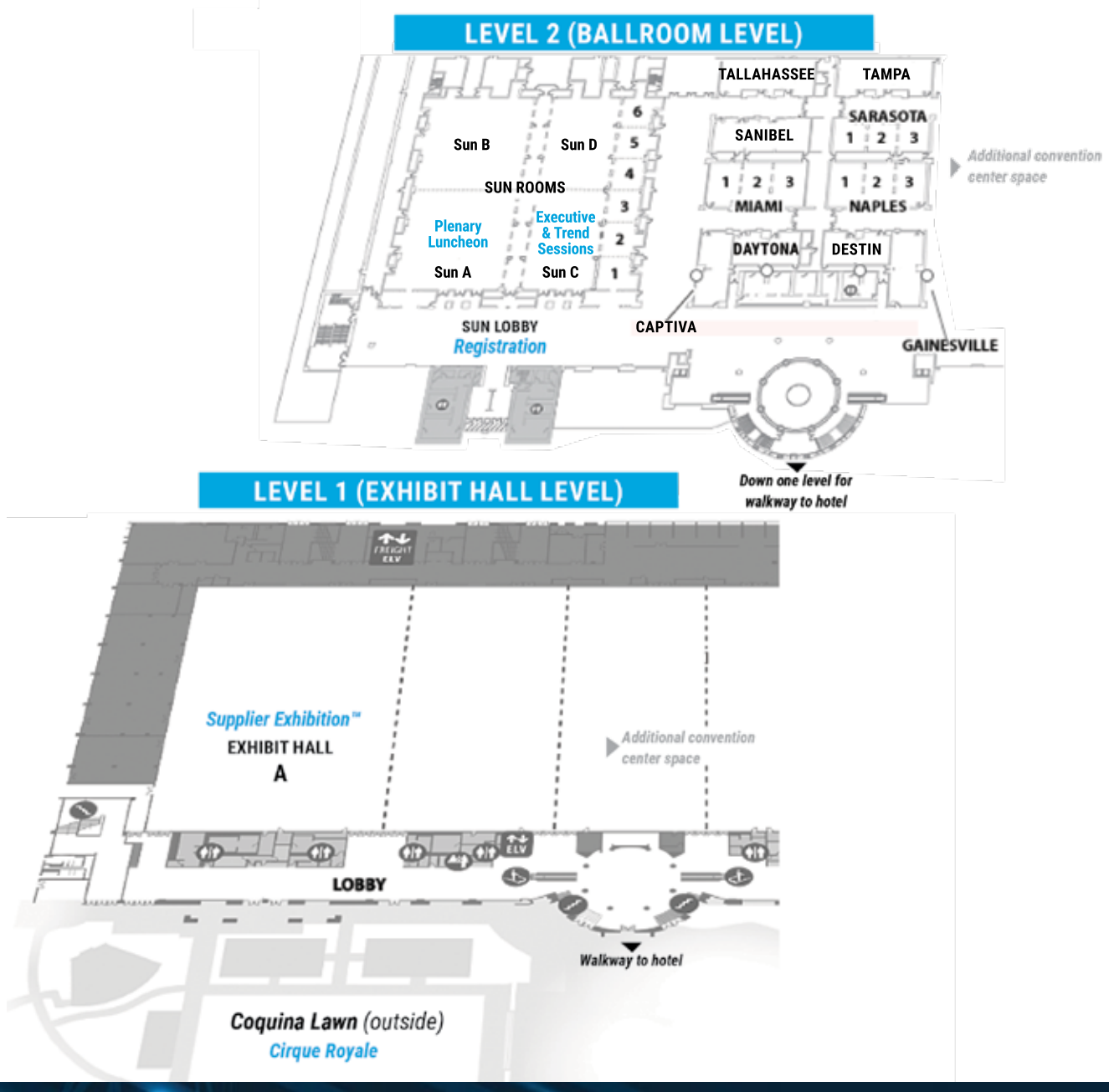
AMENITIES

- Arcade
- Relâche Spa *(Lower Level)*
- Relâche Fitness Center *(Lower Level)*
- South Beach Pool *(Adults Only)*
- Cypress Springs Family Fun Water Park

MEETING SPACE

- M1 102 St. George Meeting Room
- M2 104 St. George Meeting Room
- M3 106 St. George Meeting Room
- M4 108 St. George Meeting Room
- M5 Emerald Meeting Rooms *(Lower Level)*
- M6 St. George Meeting Rooms, 112 - 114
- M7 Orange Blossom Ballroom
- M8 Boardrooms *(Level 4)*
- M9 Palm Beach Meeting Room
- M10 Coquina Lawn

GAYLORD PALMS RESORT MAP (CONVENTION CENTER DETAIL)



ON-SITE DINING OPTIONS *Times may vary. Please call to confirm.*

Lunch Concessions are available in the exhibition hall on Tuesday. Grab a bite and attend presentations in the exhibit hall Innovation Hub.

Villa de Flora Breakfast: 7:00 – 11:00 AM
Menu items or signature breakfast buffet. +1-407-586-1114

Emerald Bay Cafe & Market: 6:00 – 10:00 PM
Grab-and-go breakfast, lunch, and dinner options.

Cocoa Bean Coffee House: 6:00 – 11:00 AM
Grab-and-go coffee and small bites.

SandBar (Outside at the pool) 11:00 AM – 5:00 PM
Salads, sandwiches, and lunch options.

Jamba Juice 7:00 AM – 7:00 PM
Smoothies, juices, and made-to-order bowls.

Old Hickory Steakhouse: 5:30 – 10 PM
Steakhouse. Reservation recommended. +1-407-586-1600

MOOR: 5:30 – 9:30 PM
Seafood restaurant. Reservation recommended. +1-407-586-1101

Wreckers Sports Bar 12:00 PM – 12:00 AM
Diverse menu including appetizers and entrees. +1-407-586-1330

Socio: 5:30 – 9:30 PM
Food served tapas style at the hotel lobby bar.

Cold Stone Creamery: 12:00 – 11:00 PM
Ice cream and dessert.

Cable & Connectivity Industry Forum™

by IWCS

CIRQUE ROYALE ANNIVERSARY CELEBRATION

PRESENTING SPONSORS

CORNING HFCL prysmian

Monday, November 2, 6:00 PM – 8:30 PM | Gaylord Palms Coquina Lawn

Step into an evening of wonder, celebration, and connection as IWCS commemorates its 75th Anniversary with Cirque Royale—an unforgettable experience blending regal sophistication with the awe-inspiring artistry and spectacle of a world-class circus. Attendees and their accompanying family members are invited to explore an immersive atmosphere filled with dazzling performances, captivating entertainers, interactive experiences, exquisite cuisine, and exceptional networking opportunities.





NEWS REPORTS
and industry activities
JANUARY, 1963

Near-Record Attendance Features Eleventh Wire & Cable Symposium

► Twenty-three papers were presented at the Eleventh Annual Symposium on "Technical Progress in Communication Wires and Cables" held on November ... at the ...

Signal Corps Holds Successful Wire and Cable Conference

The Seventh Annual Symposium on Technical Progress in Communication Wires and Cables was held on December 2, 3 and 4, 1958, in Asbury Park, New Jersey, under the auspices of the U. S. Army Signal Research and Development Laboratory, Fort Monmouth, New Jersey.

* * *

Materials

Wire-Cable Forum Airs Insulations for Military

By E. C. TERRY

ASBURY PARK, N. J.—Polyethylene continues to be the choice for most military insulating applications, but desirable characteristics of Teflon, propylene, copolymer compositions and silicone rubber insulations were also stressed at the 11th annual Wire and Cable Symposium which ended Nov. 30 at the Berkeley-Carteret Hotel.

More than 1,000, a record, attended the symposium, which was jointly sponsored by the U. S. Army Electronics Research and Development Laboratory, Fort Monmouth, N. J., and industry.

Howard F. X. Kingsley and Fred W. Wills, both of the Electronic Laboratory, were chairman and co-chairman of the symposium.

Polyethylene.

E. Parker Stiles, wire and cable ... R. ... L. W. Myers, ... and R. W. Rake (Western Electric). It is the purpose of this paper to give a brief description of the facilities at Western Electric Company's Omaha Cable Plant, and, in addition, to describe some of ... discussed a high-performance silicone-insulated cable design for missile applications. He said the cable has a high resistance to adverse environments in the Tropic, Temperate and Arctic Zones.

G. J. Thompson, Navy Materiel Laboratory, New York Naval Shipyard, said the Navy has achieved improvements in silicone rubber-insulated cables "generally without increase in cost," to supplant other ... types of insulation for heat- and flame-resistant qualities in power and control cables.

Gordon P. Johnson, American Steel and Wire division, United States Steel Corp., said superior abrasion resistance of polypropylene over polyethylene has permitted miniaturization and manufacture in longer lengths of some cables formerly insulated with polyethylene.

"We feel that the addition of ... stabilizers to resist copper catalyzed oxidation is a major breakthrough," Mr. Johnson said. "We anticipate that with the addition of stabilizer, polypropylene will become more widely accepted as an insulating material ...

market for polypropylene in the wire and cable industry will develop ... next few years."

... FXR divi...

MPCA Adds Two, Totals 18 Members

NEW YORK. — Two firms have been elected to membership in the Magnetic Powder Core Association, a division of the Metal Powder Industries Federation, bringing the membership to 18 companies.

The firms are Allen-Bradley Co. of Milwaukee, Wis., which ... be represented in the association by Eugene C. Ragatz, ... director, and Fair-Rite ... Corp. of Wallkill, ... will be represented ... G. Parker, president of Fair-Rite manufactures ... used in electronic ...

... Hampton H. Roll is executive ... of the federation, ... has its headquarters ...

ELECTRONIC NEWS, MONDAY, DEC ... 47

... benefit of an outer cover ... which will help maintain the shield at ... ground potential and help dissipate ... induced by lightning, thus reducing ... possibility of damage.

High Performance, Small Diameter ... trol Cable, by A. L. Gibson (D... This paper describes a particular ... a high performance, small diam... trol cable ... has now seen ... essful usage in ...

... during the initial planning stages of the Omaha facility in 1956, several operations which formerly had been separate were combined into tandemized continuous processes. In the polyethylene wire insulating area, the #2 wire drawing operation (drawing 14 AWG down to 19 AWG, 22 AWG, 24 AWG, or 26 AWG) and an...

RUBBER AGE, JANUARY, 1963

Wire Symposium Hears 40 Papers By SCEL, Industry

ASBURY PARK — Forty technical papers were presented during the three-day 5th Annual Symposium on "technical Progress in Communication Wires and Cables" held under joint sponsorship of the Signal Corps Engineering Laboratories and industry Tuesday thru yesterday.

Among the speakers were representatives of top industrial firms in the wire and cable fields. Brig. Gen. Earle F. Cook, commanding general of the laboratories, delivered the address of welcome on Tuesday. Howard L. Kitts, Chief, Side Plant Branch, ... symposium ...

Gen. O'Connell Sees Greater Science Use In Military Future

Chief Signal Officer Points To Increased Wire Use At Annual SCEL Symposium on Wire This Week

ASBURY PARK — The U. S. Army is determined to explore every possibility of science and invention to give smaller forces greater battle potential. Future wars will not be fought with the methods and limitations on ground combat which existed in WW II and Korea.

This was among the comments made Wednesday night by Maj. General James D. O'Connell, Chief Signal Officer of the United States Army in a Pearl Harbor Day address before delegates to the fourth annual symposium on the 'Technical Progress in Communciation Wire and Cable' at the 'Berkeley Carteret Hotel, here.

The three day conference was sponsored by the Signal Corps Engineering Laboratories and more than 100 firms in the wire and cable field.

'Today our production capacity, though much greater than peacetime consumption, is still not equal to our mobilization requirements, Gen. O'Connell said. 'Our production problem now is how to maintain adequate production readiness at the lowest cost to the taxpayer.

'We now have about $16 milliorfi invested in wire and cable production equipment. We feel that an additional $15 million worth of new equipment will round out our currently known needs and satisfy immediate mobilization requirements.'

'It seems almost that the overriding importance of manpowe...

PARLEY OPENS — Speakers at ... ion and committee chairmans go ... for three day 'wire and cable ... which opened yesterday at Berk... Hotel, Asbury Park, under aus... Corps Engineering Laborator... mouth. Seated, left to right, Ho... L. Kitts, chairman; Brig. Gen. Earle F. Cook, commanding general of the laboratories, who gave address of welcome; H. F. X. Kingsley, co-chairman, and standing, left to right, F. W. Keeley and A. L. Gibson, E. I. duPont deNemours; W. L. Hoff, Western Electric Co. and J. A. Jupa, M. W. Kellogg Co. Symposium closes tomorrow.

Visit the IWCS Event Portal (web-based app) at iwcs.org/portal

(no download required)

Make the most out of your event experience!

The event Portal contains the most up-to-date event information, schedule, and Supplier Exhibition floor plan. Want to follow along with Technical Paper Presentations? Use the Portal to open the Technical Paper database or Proceedings e-book on your digital device.

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DOW®

HFCL

HUBER ADVANCED MATERIALS

Nordson EFD

prysmian

sāco AEI polymers

TA TEKNOR APEX

UL Solutions

YOFC Smart Link Better Life.

INTERESTED IN BECOMING AN IWCS SPONSOR?

Review options at: **www.iwcs.org/become-a-sponsor** or contact IWCS MarCom Manager Becky Dippel at rdippel@iwcs.org.

Cable & Connectivity Industry Forum™

by IWCS

See You Next Year at IWCS 2027

Sunday, November 14–Thursday, November 18, 2027
Providence, Rhode Island, USA

SUPPLIER EXHIBITION™ & BRAND EXPOSURE OPPORTUNITIES

Gain exposure for your business and demonstrate industry leadership as an IWCS sponsor, reserve a booth to exhibit your products and services during the Supplier Exhibition™, and take advantage of additional unique opportunities to promote your brand.

Review 2027 IWCS Sponsorship and Supplier Exhibition™ options at:

iwcs.org/2027-prospectus

SUBMIT A TECHNICAL RESEARCH PAPER

If your work is of interest to the cable and connectivity industry, you should submit a Technical Paper Abstract. ***Refer your colleagues!***

- **Gain international recognition**
- **Get your work published**
- **Help advance the industry**

View suggested topics and submission requirements at:

iwcs.org/2027-present

EXECUTIVE SESSION

Monday, November 2, 8:30 AM – 12:00 PM | Room: Sun C (Level 2)

Metallic Wire and Cable: Trade Turbulence and the Grid Race Reshape Global Cable Investment



Aisling Hubert, Lead Analyst - Metallic Wire & Cable, CRU

Trade policy has become a defining challenge for global wire and cable producers, with U.S. copper Section 232 tariffs, import dependencies, and raw material access creating significant strategic risks even as demand accelerates through electrification, data center construction, and the transmission, distribution, and generation infrastructure needed to support it. As grid infrastructure moves to the forefront of priorities and North America attracts increased attention for both exports and new manufacturing capacity, this session presents CRU's global outlook for wire and cable demand, production, and trade, with a focus on the U.S. market and the implications of the current tariff landscape for producer strategy and investment decisions.

Aisling leads CRU's metallic wire and cable analysis. Her team analyses trends and developments across the global metallic wire and cable industry, accounting for the metal demand of the global energy, infrastructure and manufacturing sectors. This work includes quantifying the requirements of electrification necessitated by the global green energy transition on electrical transmission and distribution infrastructure.

Optical Fiber & Cable: AI Infrastructure and Next-Generation Connectivity Redefine the US Market Outlook



Egest Balla, *Wire & Cable Analyst*, CRU

The expansion of hyperscale AI infrastructure is driving unprecedented demand for U.S. optical fiber and cable, with data center interconnect and high-density cabling increasingly surpassing traditional broadband and FTTH, while domestic supply constraints, elevated fiber prices, tariffs, and import dependencies are creating significant supply chain and investment challenges. At the same time, evolving AI connectivity requirements are accelerating adoption of multi-core fiber, near- and co-packaged optics, ultra-high-density cable architectures, and emerging solutions such as hollow core fiber, reshaping producer strategies and the outlook for the U.S. optical fiber and cable market.

Egest Balla is an Analyst for the Wire & Cable team at CRU, based out of the company's North America headquarters in Pittsburgh, PA. He is the editor of the team's flagship Wire & Cable Monitor and provides support across the full portfolio of products analyzing key trends and developments in both the metallic wire and cable and optical fiber & cable.

The Next Wave of Fiber Demand in North America: AI, Data Centers and Network Transformation



Steve Szymanski, *VP & General Manager – Americas*, Sterlite Technologies Inc.

The generative AI boom is reshaping telecom infrastructure, driving an unprecedented surge in fiber optic demand as hyperscale AI data centers require dramatically more fiber than traditional cloud computing and prompting the deployment of ultra-high-density ribbon cables with up to 6,912 fibers to address pathway congestion. As hyperscalers develop regional, gigawatt-scale campuses spanning multiple facilities, the North American backbone network is being transformed through innovations such as Hollow-Core Fiber (HCF), Multicore Fiber (MCF), and next-generation high-density optical connectivity solutions to deliver the massive bandwidth required for next-generation AI workloads.

As an executive at Sterlite Technologies Inc., Stephen brings over 25 years of leadership experience in the telecommunications, Data Center and optical fiber and cable industry. His work focuses on overseeing strategic direction in the Americas region. Leveraging expertise in revenue generation, manufacturing, and general management, he contributes to driving profitability and market development across the organization.

Global Economic Outlook



Robert Fry, *Chief Economist*, Robert Fry Economics

Robert Fry will discuss current conditions in the global economy and the outlook for future growth, with emphasis on U.S. manufacturing and on markets important to the wire and cable industry. In particular, he will discuss the adverse impacts of tariffs and oil supply disruptions on inflation and economic growth and the positive impacts of the AI-driven investment boom. Among the topics covered will be growth in GDP and industrial production, including wire & cable production, housing starts, light vehicle sales, inflation, and interest rates.

Robert analyzes and forecasts the global economy to guide business decision-makers. He publishes a monthly newsletter, "Current Economic Conditions", and speaks on the economic outlook to corporate leadership teams, customer events, and trade association meetings. In 2018, Robert was elected a Fellow of the National Association for Business Economics, in recognition of his outstanding service as a professional business economist and his contributions to the field of business economics. He joins an exclusive group that includes four Nobel laureates and the last four Chairs of the Federal Reserve. In 2022, he won the NABE Outlook Award, recognizing him as the most accurate macroeconomic forecaster for the year ending June 2022.



Powering a Connected World: The Resilient Grid in the Age of AI

Dr. Massoud Amin, *Chairman & President,* Energy Policy & Security Associates

As AI, data centers, and electrification accelerate, electric power and communications networks are becoming increasingly interdependent. The challenge is not simply generating more electricity or transmitting more data. It is keeping essential services operating when equipment, power supplies, communications, or control systems fail.

Drawing on lessons from major grid disruptions and decades of work in smart grids, infrastructure security, and resilience, this presentation examines how microgrids, distributed energy resources, advanced sensing, and AI can strengthen reliability—and how poorly understood dependencies can turn local failures into widespread disruptions.

For the cable and connectivity industry, the implications are immediate: more demanding infrastructure requirements, greater integration of power and communications, and new opportunities in sensing, monitoring, protection, and recovery.

The presentation will focus on practical engineering and investment decisions: what to build, what to protect, how to test it, and how to recover when systems fail.

The central question: Are we building merely smarter infrastructure, or infrastructure that can withstand disruption and keep essential services running?

For 75 years, this industry has helped connect the world. Its next challenge is helping keep that world running.

Dr. Massoud Amin, an IEEE and ASME Fellow known as the "father of the smart grid," is a pioneer in smart grid technologies and cyber-physical security. He chairs and leads Energy Policy and Security Associates and is CTO of Renewable Energy Partners. An Emeritus Professor at the University of Minnesota, he previously led infrastructure security, grid operations, and energy markets at EPRI. He spearheaded 24 technologies transferred to industry and led security-related R&D for North American utilities following 9/11. His work advances energy innovation, critical infrastructure security, and equitable access to clean energy.

PLENARY SESSION LUNCHEON

Monday, 12:00 – 2:00 PM | **Room: Sun A** (Level 2)

Greetings & Announcements



David B. Kiddoo
CEO/Director
IWCS, Inc.



Dr. Scott H. Wasserman
IWCS *Chairman of the Board*
Dow



Paul Brigandi
IWCS 2026 *Committee Chair*
Dow

Honoring Retiring IWCS BoD & Committee Members



Jeff Barker
IWCS Board Member & Treasurer
Prysmian



Hélio J. Durigan
IWCS Committee Member
Lightera



Kerry Smith
IWCS Board Member
Nabaltec



Eric Whitham
IWCS Committee Member
Lightera

Monday, 12:00 – 2:00 PM | **Room: Sun A** (Level 2)



This visionary keynote will explore the compelling and unconventional future in the transfer and transport of data and energy to unlock the true capabilities of AI and Quantum Computing. While existing transmission pathways continue to evolve, enabling hyperscale and edge/neighborhood data centers to deliver high-speed, low-latency information technology to businesses, campuses and homes, we should anticipate and plan for what lies beyond the copper and fiber realm. It is clear that we do not have enough data centres, power stations, grid connections, AI accelerators and chips, or fiber optic cabling routes to achieve a sustainable, efficient, resilient and reliable network. Forecasting and resource planning matters!

Demand has never been greater, and the delivery gaps are widening. The convergence of powering and data infrastructure needs to be reimagined! And make no mistake, investors have noticed the mission-critical cable and connectivity industry! Instead of mergers, private equity investment is now circling around you and your innovations to make all of this happen. The key to this future is to ultimately move from the pricing per drop to pricing the Network Lifecycle of Design, Install, Integrate, Operate, and Maintain.



Matthew Griffin is a multi-award-winning Futurist and expert in Disruption and Innovation, Geopolitics, Leadership, and Technology, whom NASA has described as a "walking encyclopedia of the future" and a "futurist Polymath." 15-time bestselling author of the "Codex of the Future" series, Matthew is the Founder and Futurist in Chief of the 311 Institute, a global Futures and Deep Futures advisory firm working with royal households, world leaders, G7, G20, and G77 governments, NGOs, and multi-national mid and mega cap firms to help them explore, shape, and lead the next 50 years of business and society.

An award-winning YouTube creator with over a million followers, with an unrivalled global reach and impact, Matthew is a highly sought-after international keynote speaker, lecturer, and mentor who collaborates with global leaders through the United Nations Alliance of Civilizations (UNAOC) and United Nations General Assembly (UNGA) to shape pivotal initiatives such as the UN's AI for Humanity program, the United Nations Conference of the Parties (UN COP), and the World Economic Forum in Davos.

As the former Global Head of Cloud, National Security, and Enterprise Sales for companies including Atos, Dell-EMC, and IBM, Matthew has a proven track record of building multi-billion dollar business units and turning failing divisions into market leaders. His ability to identify, analyze, and communicate the implications of hundreds of emerging technologies and trends is unparalleled, and his insights are trusted by many of the world's most respected organizations, including ABB, Accenture, Adidas, AON, ARM, BCG, Centrica, Citi, Coca-Cola, Dentons, Deloitte, Dow Jones, EY, Google, KPMG, Lego, Legal & General, LinkedIn, Microsoft, PepsiCo, Qualcomm, RWE, Samsung, Siemens AG and Siemens Energy, T-Mobile, UBS, VISA, Walmart, Workday, Worldpay and many others.

Regularly featured in the global media, including the AP, BBC, Bloomberg, CNBC, Discovery, Forbes, Khaleej Times, Telegraph, TIME, ViacomCBS, WIRED, and the WSJ, Matthew's mission is to help organizations create a fair and sustainable future whose benefits are shared by everyone irrespective of their ability, background, or circumstances.

Monday, 12:00 – 2:00 PM | Room: Sun A (Level 2)

Awards & Recognition

Jack Spergel Memorial Award for Outstanding 2025 Technical Paper

"Core Identification and Geometry Specifications"
Roman Shubochkin, Lightera

Kitts-Kingsley Award for Best 2025 Presentation

"How Traditional Measurement Techniques in Continuous Casting and Rolling Applications Can Exhibit Perfect Ovality Yet Fail Circularity Criteria"

Chad Walker, Laserlink

Award for Outstanding 2025 Poster Paper

"Additive Manufacturing for Corrosion Resistant Extrusion Barrels"

Cheryl Sayer, Xaloy

INDUSTRY TREND DISCUSSIONS

Details on Page 20

SUSTAINABLE GRID INFRASTRUCTURE & RESILIENT NETWORKS

Tuesday, November 3, 1:30 – 3:50 PM | Room: Sun C (Level 2)

Keynote



James Briones
Deputy Ass't. Secretary, Grid Updates
U.S. Dept of Energy

Featured



Badri Gomatam
Group Chief Technology Officer
Sterlite Technologies



Ilia Kobylianskii
Senior Marketing Manager
Dow



Flavia Pane
Sustainable Solutions & Product Development Senior Engineer
Prysmian



Clay Williams
Senior Director - Industrial Customers
X-energy

Moderator



Jon Mello
Global Market Manager – Wire & Cable
Teknor Apex Company

Chairperson



Scott Wasserman
Intellectual Capital Manager
Dow

INNOVATIONS IN DATA CENTER CONNECTIVITY

Tuesday, November 3, 4:10 – 6:00 PM | Room: Sun C (Level 2)



Jimi Barker
Chief Business Officer Hyperscale Data Centers & Optical Interconnectivity
Sterlite Technologies



Nathan Blom
Vice President, Liquid Cooling
Chemours



Roland Ruprecht
Sr. Director, Commercial Lead for Sustainable and Growth Initiatives
Teknor Apex



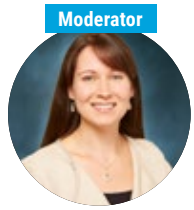
Kai Zhou
Global Product Management Director
UL Solutions

Chairperson



Rashmi Varma
CEO
QuantaWatt

Moderator



Bianca Hydutsky
Global Technology Director - Advanced Performance Materials
Chemours

Monday, 8:00 AM – 12:00 PM | Miami Rooms

MA101: SELECTION & USE OF MATERIALS

INSTRUCTORS:

Dr. Paul Brigandi, *Application Development Leader;*
Manesh Sekharan, *Senior Research Scientist;* **Yixuan Song**, *Associate TS&D Scientist* - **Dow, USA**

In this course, the selection and implementation of polymer materials used in the construction of wires and cables will be reviewed. The course will focus on polymer materials utilized in telecommunication cable applications with focus on twisted pair, coaxial, and fiber optic cables. An overview of the materials science essential to the polymer properties and additives employed in cable compounds will be covered to level- set all attendees. Further, the fundamental characteristics (advantages and disadvantages) of materials will be presented which can be then considered in selecting a material for use in a finished cable construction, with specific sections covering jackets, insulations and fiber optic materials. In addition, the effect of additives on material performance will also be discussed, particularly those that impart ultraviolet resistant and flame retardant properties on the materials.

FO101: FUNDAMENTALS OF OPTICAL FIBERS & FO CABLE DESIGN & APPLICATION

INSTRUCTOR:

Kevin Ball, *Senior Development Engineer,* **Corning Optical Communications, USA**

This course will explore several aspects of optical fiber and cable design technology with particular focus on products for communications. It will discuss application considerations to select a product appropriate for a given installation environment and the basic considerations necessary for successful design of optical fiber cables.

The first part of this course will outline the characteristics and fundamental operating principles of optical fibers and the key differences between Single-Mode and Multimode optical fibers. Included will be critical fiber parameters and their impact on system performance. Specific topics will include the Advantages of Optical Fiber, Optical Fiber Manufacturing, Total Internal Reflection, Attenuation, Dispersion, Polarization Mode Dispersion (PMD), Cutoff Wavelength and other optical parameters critical to optical communications.

The second part of this course will explore the functional requirements of optical fiber cables and some of the fundamental design equations which can be used to ensure a cable will meet a given installation or operational requirement. We will also discuss selection of a product appropriate for a given installation environment. Structural differences between cables for indoor, outdoor, and specialty applications will be explored including stranded loose tube cables, central and stranded tube ribbon cables, tight buffered cables and optical power ground wire cables.

EX101: THE ART AND SCIENCE OF EXTRUSION MACHINERY FOR WIRE AND CABLE

INSTRUCTOR:

Dr. Stéphan Puissant, *Consultant; Assistant Professor in Polymer Processing;* **InSIC**, *France*

The complete extrusion process is complex and involves a lot of machines having each a different function. The heart of the process is extrusion. This course focuses on the extrusion group, i.e. extruder and cross head (distributor and tooling).

The single screw extruder seems to be a very simple machine. However, the extrusion process is complex as it is governed by interacting laws from different mechanical engineering fields i.e., thermodynamics, flow mechanics, properties of solid and molten polymers etc. Therefore, in a first step, the physical characteristics (viscosity, conductivity, melting) of polymers used in extrusion are presented. These properties will be the keys to understand the functioning of the thermoplastics extrusion process.

The material basis being covered, the focus will shift on the functioning of the single screw extruder. There the 3 functional zones of the extruder are introduced. For each zone, we will see its functioning in relation to material properties. This mechanism having been described, we will obtain some hints of the optimal screw designs (for some broader plastic families!), so as solutions which may be used to solve problematic issues.

After being plastified (molten), the polymer is given its final shape by some extrusion head. In this part, the basics of distributor design according to the materials are presented. After discussing the effects of distributor geometries, we will also compare different tool designs.

For each of the different items (extruder, X-head, even cooling) covered in the course, we will try to give some practical hints in addition to a more theoretical approach.

PROFESSIONAL DEVELOPMENT COURSES (200-LEVEL ELECTIVE)

Sunday, 1:00 PM – 5:00 PM | Miami Rooms

MA211: BASICS OF FLUOROPOLYMERS AND THEIR USE IN VARIOUS CABLE APPLICATIONS

Jarret S. Colvin, *Technical Service Scientist;* **Jeremy Longoria,** *Technical Service Engineer;*
The Chemours Company, USA

In this course, the selection and implementation of polymer materials used in the construction of wires and cables will be reviewed. The course will focus on polymer materials utilized in telecommunication cable applications with focus on twisted pair, coaxial, and fiber optic cables. An overview of the materials science essential to the polymer properties and additives employed in cable compounds will be covered to level- set all attendees. Further, the fundamental characteristics (advantages and disadvantages) of materials will be presented which can be then considered in selecting a material for use in a finished cable construction, with specific sections covering jackets, insulations and fiber optic

FO212: ADVANCES IN OPTICAL FIBERS AND THEIR APPLICATIONS

Dr. Scott Bickham, *Development Fellow* - **Corning Optical Communications, USA**

Low-loss optical fibers were first fabricated over fifty years ago, and many types of fibers have been developed in conjunction with transceiver technology to enable the delivery an ever-increasing amount of bandwidth over longer distances. This course will summarize some of the key developments in optical fiber technology that have enabled high-capacity data transmission in applications ranging from data centers to fiber-to-the-X to undersea communication systems. After presenting a brief refresher on the basic properties of optical waveguides, the course will discuss some of the key attributes of single-mode fibers, including attenuation mechanisms and the tradeoff between cutoff wavelength, bend loss and mode field diameter. The second section of the course will focus on multimode fibers and how the designs have evolved to deliver high modal bandwidth in conjunction with low macrobend loss to enable significant reductions in the sizes of the cables, hardware and equipment that are deployed in data centers. The course will conclude with an overview of the types of fibers that are being considered for co-packaged optics and other applications which will require high bandwidth density.

CU202: COPPER CABLING TECHNOLOGY – ADVANCED TRANSMISSION LINE THEORY AND MEASUREMENTS

Alistair Duffy, *Faculty of Technology,* **De Montfort University, United Kingdom; Kenneth Cornelison**
Wire & Cable Technology Resources

This course reviews the fundamental transmission line theory inherent in all cables, relating the electrical property fundamentals to the transmission in high performance cables. Basic building blocks of electrically long transmission lines are described, and how they relate to modern cable design. The course also covers the testing technology for high frequency cables. Measurement procedures, principles and techniques are covered, highlighting areas important for the latest cable types. Operation of test equipment such as vector network analyzers is reviewed, and the different methods of operation for laboratory and field test equipment. The course will briefly touch on some of the trends in cable applications and design that are influencing measurement technology and techniques. The course ranges from fundamental theory to practical application.






Please be sure to register for the specific course(s) you wish to attend. Advanced online registration is recommended but you may also inquire about available seats when you arrive for on-site registration/badge pick-up. The "core" courses are on Monday morning (8:00 AM–12:00 PM) with three concurrent courses. The three "elective" courses take place on Sunday afternoon (1:00–5:00 PM). Discounted fees are available for attendees who choose to participate in two courses — one "core" course and one "elective" course.

EXECUTIVE SESSION

Chairperson: Ed Fenton, Wire & Cable Manufacturers' Alliance, CoreLinc, LLC
Room: Sun C

Monday, November 2, 8:30 AM – 11:50 AM

View details on pages 12-13.

(8:30 AM) **Optical Fiber & Cable: AI Infrastructure and Next-Generation Connectivity Redefine the US Market Outlook;** Aisling Hubert, *Lead Analyst - Metallic Wire & Cable*, CRU

(8:55 AM) **Metallic Wire and Cable: Trade Turbulence and the Grid Race Reshape Global Cable Investment;** Egest Balla, *Wire & Cable Analyst*, CRU

(9:20 AM) **The Next Wave of Fiber Demand in North America: AI, Data Centers, and Network Transformation;** Steve Szymanski, *VP & General Manager – Americas*, Sterlite Technologies Inc.

■ ***Coffee & Networking Break*** (9:45 AM–10:10 AM)

(10:10 AM) **Global Economic Outlook;** Robert Fry, *Chief Economist*, Robert Fry Economics

(11:10 AM) **Powering a Connected World: The Resilient Grid in the Age of AI;** Dr. Massoud Amin, Chairman & President, Energy Policy & Security Associates

PLENARY SESSION LUNCHEON: Keynote & Awards

Room: Sun A

Monday, November 2, 12:00 – 2:00 PM

Taking place during lunch on Monday, the Plenary Keynote presentation, **"Transmission Reimagined"** by Matthew Griffin, best-selling author and founder of 311 Institute, promises to be a highlight of the Forum.

View details on pages 13-15.

SUPPLIER SPOTLIGHT SESSION *(continued on Tuesday)*

Chairperson: Jon Mello, Teknor Apex, USA
Location: Innovation Hub Stage in Exhibition Hall A

Monday, November 2, 2:15 PM – 4:00 PM

(2:15) **Meeting the Challenge: High-Performance TPU for Critical Cable Applications;** BASF Corporation

(2:30) **Developing and Optimizing Screw Configurations for Continuous Compounding in Wire & Cable;** B&P Littleford

(2:45) **Highlights of Recent Developments in Wire and Cable Formulations: Advanced Materials Engineered to Meet Emerging Customer and Industry Requirements;** Chroma Color Corporation

(3:00) **Inside the Assembly Processes Driving AI Fiber Optics;** Nordson EFD

(3:15) **End-to-End UV Curing Solutions for Optical Fiber, Wire & Cable;** Excelitas

(3:30) **Cable Measurement, Inspection and Control;** Elk Technologies

(3:45) **Advanced Flame Retardance: Globally Compliant Brominated Chemistry for High LOI Jacketing;** Hallstar

POSTER SESSION

Chairperson: Alistair Duffy, De Montfort University, UK
Room: Innovation Hub in Exhibition Hall A

Monday, November 2, 4:00 – 6:00 PM

- **Numerical Modeling of D4-Based Outside Vapor Deposition for Optical Fiber Preform Cladding;** Jian Yuan, HENGTONG OPTIC-ELECTRIC CO., Ltd., China
- **Influence of Coating Thickness on Mechanical Strength and Proof-Test Reliability;** Sanjit Bhatia, HFCL Ltd., India
- **SZ-Stranding Inspection System for Lay Pitch, Binder Quality and Tube Break Detection;** Pobe Tran, Taymer International, Canada
- **Achieving High Planarity in Fiber Ribbons by Tailoring Merging Mold Size and Fiber Preparation Process;** Xinru Yang, Yangtze Optical Fibre and Cable Joint Stock Limited Company (YOFC), China
- **Multicore Optical Fiber Air-Blown Micro-Cable;** Jia Wang, Yangtze Optical Fibre and Cable Joint Stock Limited Company (YOFC), China
- **Proximity Detection of Construction Obstacles;** Takuo Kaiju, NTT, Inc., Japan
- **New Approach for Preliminary Selection of EPDM-Based Materials for Accelerated Water Tree Test;** Martina Serafini, Mixer S.p.A., Italy
- **A Numerical Framework for Optimizing the Bending Stiffness of Optical Fiber Sensing Cables via Internal Friction Modeling;** Sandeep Gaikwad, Sterlite Technologies Ltd., India
- **Optical Fiber Bobbin Strength Optimization to Minimize the Flexural Behavior During Handling Operations;** Sandeep Gaikwad, Sterlite Technologies Ltd., India
- **An Ontology-Driven AI Architecture for Cable Design;** Yufei Du, AndaPLM, China
- **Ultra High-Density Microduct Cables with Freeform Ribbons;** Yohei Suzuki, Sumitomo Electric Industries, Ltd., Sumitomo Electric Industries,Ltd., Japan
- **Pre-Connectorized Ultra High-Density Indoor Optical Fiber Cable for Hyperscale Data Center Applications;** Sourabh Singh Panwar, HFCL Ltd., India
- **Ultra High-Density Microcables for Scalable, Future-Ready Networks and Hyperscale Connectivity Applications;** Pramod Aggarwal, HFCL Ltd., India
- **Processing of LSZH Material with Reinforcement and Long Term Behaviour of the Composite;** Manohar Pol, HFCL Ltd., India
- **High Strength PIA Optical Fibre Drop Cable for Regulated Network Deployments;** Sudha Indu, HFCL Ltd., India
- **Extrusion-Based Light Weighting of HDPE Dummy Elements Using Endothermic Chemical Foaming Agent in Optical Fiber Cables;** Brijesh Kumar Yadav, HFCL Ltd., India
- **Influence of Ripcord Positioning on Sheath Opening Behavior and Installation Performance of Optical Fiber Cables;** Brijesh Kumar Yadav, HFCL Ltd., India
- **Sustainable Alternatives with XLPE for Energy and Telecom Cable Jackets;** Virginia Tech University, USA

HAPPY HOUR & PRIZE DRAWING



Room: Exhibition Hall

Monday, November 2, 4:00 – 6:00 PM

Drop your raffle ticket at the IWCS booth #213 before 5:30 PM for your chance to win a Jackery Solar Generator.

Session 1: COPPER: DATA & POWER CONVERGENCE

Chairperson: Trent Hayes, CommScope, Inc., USA
Room: Sanibel

Tuesday, November 3, 8:30 AM – 10:10 AM

1-1 (8:30) **Co Location of Category 6 U/UTP LAN Cabling and Fault Managed Power Systems Cabling;** Wayne Hopkinson, CommScope, USA

1-2 (8:55) **Power Cables for Electric Aviation;** Sreeni Kurup, TE Connectivity, United Kingdom

1-3 (9:20) **Can Cable Modeling Predict Real VNA Measurements Accurately?;** Laurent Van Rysselberghe, AESA SA, Switzerland

1-4 (9:45) **Linking FFT Spectral Signatures to Physical Process Instabilities in Datacom Conductor Extrusion;** Tim Moore, Amaral Automation, USA

■ ***Coffee & Networking in the Exhibit Hall***

Session 2: FIBER COATING TECHNOLOGIES AND CHARACTERISTICS

Chairperson: Kazuyuki Sohma, Sumitomo Electric Industries, Japan
Room: Miami

Tuesday, November 3, 8:30 AM – 10:10 AM

2-1 (8:30) **Ultra-low Modulus, Superior Cavitation and Microbending-Resistant Optical Fiber Primary Coatings;** Xiaosong Wu, Covestro LLC, USA

2-2 (8:55) **Fast-Curing, High-Modulus Optical Fiber Secondary Coatings Designed for Demanding Fiber Performance;** Meng He, Covestro LLC, USA

2-3 (9:20) **160±5µm Optical Fiber Using Dual Coating Application for High-Density Cable Designs;** Prakhar Tripathi, HFCL Ltd., India

2-4 (9:45) **Sellmeier-Based Dispersion Mapping, BER-Limited Reach Prediction, and Group Index Translation from Visible to Telecom Wavelengths in GeO2-Doped Silica Fibers;** Solomon Girma, Superior Essex Communication, USA

■ ***Coffee & Networking in the Exhibit Hall***

Session 3: CABLE INSTALLATION

Chairperson: Kunihiro Toge, NTT Access Network Service Systems Laboratories, Japan
Room: Daytona

Tuesday, November 3, 8:30 AM – 10:10 AM

3-1 (8:30) **Cable Blowing Is a Simple Technique: More to it Than You Might Think at First Glance;** Willem Griffioen, Plumettaz S.A., Switzerland

3-2 (8:55) **Optimizing Air-Assisted Installation for Existing Inner Ducts — Achieving Long-Distance Deployment;** Shota Fujisawa, NTT EAST, Inc., Japan

3-3 (9:20) **Nano Cable for FTTX Connectivity with Super Air Blown Features;** Vindhayachal Maddheshiya, HFCL Ltd., India

3-4 (9:45) **Extending Span Length between Utility Poles;** Ryo Seta, NTT, Inc., Japan

■ ***Coffee & Networking in the Exhibit Hall***

Session 4: RESILIENT MATERIALS & ADDITIVES

Chairperson: Thomas Schelling, Teknor Apex Company, USA
Room: Sun D

Tuesday, November 3, 8:30 AM – 11:00 AM

4-1 (8:30) **Novel Char-Enabling Magnesium Hydroxide Flame Retardant for Low-Smoke Halogen-Free Polyolefin Cable Compounds;** Courtney Don, ATK Flame Retardant Materials Company, China

4-2 (8:55) **Innovative Flame Retardant Compounds for Data Center Infrastructure;** Luis Zalamea, Celanese Corp, Switzerland

4-3 (9:20) **ATO Replacement in Flame-Retardant PVC for Cables: Formulation Strategies and Performance Evaluation;** Sara Haveriku, IPOOL Srl, Italy

4-4 (9:45) **Wire and Cable Formulations: Advanced Materials Engineered to Meet Emerging Requirements;** Zach Zander, Chroma Color Corporation, USA

4-5 (10:10) **Time-Dependance Quantification of Cable Jacket Materials Sagging;** Ben Streifel, Exponent, USA

4-6 (10:35) **Rodent Attacks: Comparison of Fossil- and Bio-based Wire Formulations;** Jacyr Quadros, Innoleics USA Corp., USA

■ ***Coffee & Networking in the Exhibit Hall***

SUPPLIER SPOTLIGHT SESSION *(continued from Monday)*

Chairperson: Jon Mello, Teknor Apex, USA
Location: Innovation Hub Stage in Exhibition Hall A

Tuesday, November 3, 10:45 – 11:30 AM

(10:45) **Characterization of Complex Fiber Optics (Hollow Core, Multicore, PM);** Arden Photonics

(11:00) **Beyond Standard Flat Ribbons: Customizable Intermittent Ribbon Bonding and Camouflage Fiber Coloring for High-Fiber-Count Cables;** Medek & Schörner GmbH

(11:15) **Predictive Modeling of Large-Scale Cable Flame Tests Using Cone Calorimeter Data, Applications to NFPA 262, UL 1666, and EN 50399;** UL Solutions

75 YEARS OF INNOVATION PRESENTATIONS

Chairperson: David Kiddoo, IWCS Inc., USA
Location: Innovation Hub Stage in Exhibition Hall A

Tuesday, November 3, 11:30 AM – 1:15 PM

(11:30) **75 Years of Innovation and Industry Leadership;** IWCS, Inc.

(11:50) **Corning 175: Celebrating our History, Innovating our Future;** Corning Optical Communications

(12:10) **40 Years of Innovation. Shaping the Future of Connectivity;** HFCL

(12:30) **75 Years of Cable Reel Advancements;** Carris Reels

(12:50) **A Century and a Half Heritage of Innovation, a Commitment to a Sustainable Future;** Prysmian

COMPLIMENTARY HEADSHOT STATION

Tuesday, November 3, 12:30 – 2:30 PM

Stop by booth 213 in the exhibition hall to have a professional headshot photo taken by our event photographer. Receive a free copy of your photo to be used on LinkedIn and beyond!

Special Session - Industry Trends: **SUSTAINABLE GRID INFRASTRUCTURE & RESILIENT NETWORKS**
Chairperson: Scott Wasserman, Dow, USA
Room: Sun C

Tuesday, November 3, 1:30 – 3:50 PM

This session examines the evolving landscape of grid and energy policy, the growing imbalance between energy supply and demand, and the critical role that cable and connectivity technologies play in building a more reliable, efficient, and resilient electrical infrastructure.



- (1:30) ***Opening Keynote:*** **Policy Drivers for Sustainable and Resilient Energy Grids and Data Centers;** James Briones, U.S. Dept of Energy, Office of Electricity
- (2:00) ***Featured Presentation:*** **Bridging the Energy Gap: Sustainable Power and Connectivity Infrastructure;** Dr. Badri Gomatam, Sterlite Technologies
- (2:20) **Sustainable Conductors and Sustainable Power Cable Design;** Flavia Pane, Prysmian
- (2:35) **Material Science Powering Grid Modernization and Resilient Networks;** Ilia Kobylianskii, Dow
- (2:50) **Demystifying Nuclear SMRs & Their Critical Role in Powering Tomorrow's Energy Grid;** Clay Williams, X-energy
- (3:05) **Panel Discussion moderated by:** Jon Mello, Teknor Apex

Special Session - Industry Trends: **INNOVATIONS IN DATA CENTER CONNECTIVITY**
Chairperson: Rashmi Varma, CEO, QuantaWatt
Room: Sun C

Tuesday, November 3, 4:10 – 6:00 PM

Gain insight into the technical challenges, emerging standards, and innovative solutions required to build resilient, high-performance connectivity infrastructure capable of supporting the explosive growth of AI driven applications.



- (4:15) **Sustainable Solutions for Data Center Infrastructure;** Roland Ruprecht, Teknor Apex
- (4:30) **How AI and Data Centers are Reshaping the Cable Ecosystem;** Kai Zhou, UL Solutions
- (4:45) **The Future Will Be Written in Light: Fiber as the Backbone of the AI Economy;** Jimi Barker, Sterlite
- (5:00) **Technology Solutions for Data Centers: Direct to Chip & Liquid Immersion;** Nathan Blom, Chemours
- (5:15) **Panel Discussion moderated by:** Bianca Hydutsky, Chemours

EXHIBIT HALL PRIZE DRAWING
Room: Exhibition Hall

Tuesday, November 3, 1:15 PM

Drop your raffle ticket at the IWCS booth #213 before 1:00 PM for your chance to win a Jackery Solar Generator.

Session 5: **CONNECTIVITY SOLUTIONS FOR DATA CENTER & DEVELOPING APPLICATIONS**
Chairperson: Ben Waite, Fiber Optic Center, Inc., USA
Room: Sanibel

Wednesday, November 4, 8:55 AM – 11:50 AM

5-1 (8:30) CANCELLED

5-2 (8:55) **A High Density Optical Blind Mate Connector System for Data Center Optical Networks;** Jeff Hendrick, US Conec, Ltd., USA

5-3 (9:20) **Performance Comparison of Expanded Beam Connectors in Data Center Applications;** Nhu-Thuan Pham-Bui, Belden, Canada

■ ***Coffee & Networking Break*** (9:45 – 10:10 AM)

5-4 (10:10) **A New Method for Measuring the Rotational Angle of Multicore Fiber on an MPO Connector Endface;** Ryo Koyama, NTT, Inc., Japan

5-5 (10:35) **Advancements in Copper & Optical Connectivity;** Ryo Koyama, NICT, Japan

5-6 (11:00) **Change in Attenuation of Fiber Optic LC Simplex Connectors, LC Simplex Patchcords and Simplex Cables in Temperature Cycling;** Thomas Schmalzigaug, HUBER+SUHNER AG, Switzerland

5-7 (11:25) **Optical Fiber Cable Attenuation vs Cable Element Fixing-Point Location During Temperature Cycling;** Thomas Schmalzigaug, HUBER+SUHNER AG, Switzerland

Session 6: **FIBER CABLE DESIGN - PART 1**
Chairperson: Wayne Kachmar, Technical Horsepower Consulting, USA
Room: Miami

Wednesday, November 4, 8:30 AM – 11:50 AM

6-1 (8:30) **A New 13,824-Fiber Flame-Retardant Optical Fiber Cable;** Taisetsu Takeuchi, Lightera Japan Co., Ltd., Japan

6-2 (8:55) **A 13,824-Fiber Ultra-High-Density Outdoor Optical Fiber Cable with a Compact Pulling Terminal Design;** Mizuki Isaji, Fujikura Limited, Japan

6-3 (9:20) **High Density Fiber Optic Cable with Stranded Fiber Bundle Subunits;** Zhiye Zhang, Corning Optical Communications, USA

■ ***Coffee & Networking Break*** (9:45 – 10:10 AM)

6-4 (10:10) **High Density MPO Connectorized Trunk Cables for Riser Applications;** Shailesh Singh, HFCL Ltd., India

6-5 (10:35) **High Fiber Density Interconnect Plenum Cables for Hyperscale Data Centers;** Mohammad Shahid Khan, Sterlite Technologies Limited, India

6-6 (11:00) **1,152-Fiber 200µm Flexible Ribbon Cable for Indoor Riser Application;** Eric Anderson, Prysmian, USA

6-7 (11:25) **High Density Indoor-Outdoor Optical Fibre Cable with Optimized Stiffness and Bending Performance for Enhanced Blowing and Storage Features;** Sourabh Singh Panwar, HFCL Ltd., India

Session 7: ENGINEERING SUSTAINABILITY IN CABLE SYSTEMS

Chairperson: Jon Mello, Teknor Apex Company, USA
Room: Daytona

Wednesday, November 4, 8:30 AM – 11:50 AM

7-1 (8:30) **Influence of Recycled XLPE Content in PE Outer Jacket Performance;** Giovanna Stilben, Prysmian, Brazil

7-2 (8:55) **Tunable & Sustainable Ethylene Vinyl Acetate Copolymers for Wire and Cable Applications;** Nagarjuna Palyam, Celanese, USA

7-3 (9:20) **High-Performance Decarbonized Solutions for Wire & Cable;** Houxiang Li, Teknor Apex Company, USA

■ ***Coffee & Networking Break*** (9:45 – 10:10 AM)

7-4 (10:10) **Next Generation UV Cured Inks with Improved Environmental Footprint;** Brian Risch, Prysmian, USA

7-5 (10:35) **Sea Water Sourced Magnesium Di-hydroxide (MDH) for High Performance LSZH Cables;** Donald Beuke, KENKO International Inc., USA

7-6 (11:00) **High Fibre Count IBR Cables as a Sustainable Alternative to Micro Loose Tube Cables: Cradle to Gate Carbon Footprint Assessment;** Manohar Pol, HFCL Ltd., India

7-7 (11:25) **No Sustainability without Scalability – A Crash-Course in Economic Geochemistry;** Daniel Smith, Nest Technical Services, Inc., USA

Session 8: CODES & STANDARDS

Chairperson: Dmitriy Bodik, UL Solutions, USA
Room: Sun D

Wednesday, November 4, 8:30 AM – 11:25 AM

8-1 (8:30) **Certifying Fiber Inspection Scopes using Scratch Artifacts;** Douglas Wilson, FiberQA, USA

8-2 (8:55) **What's New? Update on Revisions to UL's Certification Documents;** Jeff Lutke, UL Solutions, USA

8-3 (9:20) **Achieving Superior UV Laser Markings on Wire and Cable Insulation: An Instrumentation Advantage;** Rodrigo Costa, Altamira Material Solutions, an Evantic Company, USA

■ ***Coffee & Networking Break*** (9:45 – 10:10 AM)

8-4 (10:10) **Assessment of Temperature Ratings for Acrylate Coatings Applied to Optical Fibers;** Andrei Stolov, Lightera, USA

8-5 (10:35) **New Wire & Cable Outlines of Investigations for Data Centers;** Jeff Lutke, UL Solutions, USA

8-6 (11:00) **Beyond Compliance: EM Operability as a Competitive Differentiator for Cable and Connector Systems;** Alistair Duffy, DeMontfort University, United Kingdom

LUNCH FOR TECHNICAL SYMPOSIUM ATTENDEES

Wednesday, November 4, 11:45 AM

Details will be shared during the technical sessions. Available to Technical Symposium attendees only.

Session 9: HOLLOW & MULTICORE FIBER CABLES

Chairperson: Michael Gimblet, Corning Optical Communications LLC, USA
Room: Sun D

Wednesday, November 4, 12:00 – 3:20 PM

9-1 (12:00) **Mechanical and Reliability Properties of Hollow Core Optical Fibers;** Teppei Osawa, Sumitomo Electric Industries, Ltd., Japan

9-2 (12:25) **Reliability Evaluation of Submarine Multicore Fiber Cable Termination Rack;** Kaoru Kawasaki, NTT, Inc., Japan

9-3 (12:50) **Characteristics of 192-core Submarine Cable Accommodating 4-core Multicore Fibers with 200-µm Coating;** Ryota Imada, NTT, Inc., Japan

9-4 (1:15) **High Density 432-Fiber Cable with 2x2 Multicore Optical Fiber for Intra-Data Center Connectivity;** Pushkar Tandon, Corning Optical Communications, USA

■ ***Refreshment Break with Prize Drawing*** (1:40 – 2:05 PM)

9-5 (2:05) **Inter-core Crosstalk Measurement Conditions for Weakly-Coupled Multi-core Fibers Using Transmitted Power Method;** Kouhei Omoto, NTT, Inc., Japan

9-6 (2:30) **Multicore Fiber for Constrained Terrestrial Networks;** Jeffrey Neugroschl, Chiral Photonics, Inc., USA

9-7 (2:55) **A Field-Deployed Testbed for Qualification of Multicore Optical Fiber Cables;** Sobhan Babu Chunduru, Indian Institute of Technology Madras, India

Session 10: FIBER CABLE DESIGN - PART 2

Chairperson: Bulent Kose, Panduit Corp., USA
Room: Miami

Wednesday, November 4, 12:00 – 3:45 PM

10-1 (12:00) **Halogen Free Fiber Optic Transit Cables for Demanding Applications;** Brian Risch, Prysmian, USA

10-2 (12:25) **3-Fiber and 33-Fiber Interconnect Cables for AI Hyperscale Datacenter Installations;** Brian Colton, Prysmian, USA

10-3 (12:50) **Morphological Analysis of Shear-Induced Ring Formation During Polypropylene Extrusion;** Abderrahim Fares, Lightera, USA

10-4 (1:15) **Printing Compatibility and Durability in High Density Micro Cable;** Jyoti Prakash Das, HFCL Ltd., India

■ (1:40 – 2:05 PM) ***Refreshment break with prize drawing. Available to Technical Symposium attendees only.***

TICKET

10-5 (2:05) **Design and Performance of a Composite Unitube MCF and SCF Armored Cable;** Darshana Joshi, Sterlite Technologies Ltd., India

10-6 (2:30) **Next Gen Light Weight Flat Drop OFC Cable for Aerial Applications;** Darshana Joshi, Sterlite Technologies Ltd., India

10-7 (2:55) **Fire Rating Optimization for Interconnect Optical Fiber Cables;** Darshana Joshi, Sterlite Technologies Ltd., India

10-8 (3:20) **Non-Linear Model for Predicting Tensile Fiber Strain in High Fiber Count IBR Uni-Tube Cable Designs;** Sandeep Gaikwad, Sterlite Technologies Ltd., India

Session 11: MATERIALS FOR DEMANDING APPLICATIONS

Chairperson: Thomas Schelling, Teknor Apex Company, USA
Room: Daytona

Wednesday, November 4, 12:00 – 3:20 PM

11-1 (12:00) **Fluoropolymer Compounds with Carbon Nano Structures;** Michael Sanchez, AGC Chemicals Americas, USA

11-2 (12:25) **High-Performance Thin-Wall Cable Jacketing Materials: Comparative Evaluation of PPSU and ECTFE;** Greg Santoro, Syensqo, USA

11-3 (12:50) **Advanced Materials for Plenum Cable Design: A Unique Approach to Integrating Halogenated and Halogen-Free Systems;** Sasha Ghanbar, Gendon Polymer Services Inc., USA

11-4 (1:15) **Next-Gen ARP Rods: Redefining Datacenter Connectivity;** Rajan Chandak, Indore, India

- (1:40 – 2:05 PM) ***Refreshment break with prize drawing. Available to Technical Symposium attendees only.***



11-5 (2:05) **Effect of Polyethylene Jacket Shrinkage and Thermal Properties on Ultra High Fiber Density Optical Fiber Cables;** Paul Brigandi, Dow Inc., USA

11-6 (2:30) **Evaluating Materials Compatibility for Liquid Immersion Cooling – The Importance of Temperature Effects;** Valja Everaert, CommScope Connectivity Solutions, Belgium

11-7 (2:55) **Innovative Hot-Melt Adhesive Coated Optical Fiber Cable for Aesthetic and Rapid Installation Applications;** Brijesh Kumar Yadav, HFCL Ltd., India

Session 12: COPPER SINGLE PAIR ETHERNET

Chairperson: Trent Hayes, CommScope, Inc., USA
Room: Sanibel

Wednesday, November 4, 12:00 – 1:40 PM

12-1 (12:00) **Data Cabling Shield Integrity – IEC TC 46 Cable Standards;** Dave Hess, Cord Data, USA

12-2 (12:25) **EMC of SPE Cables & Connectors at Higher Frequencies;** Dave Hess, Cord Data, Germany

12-3 (12:50) **Navigating the Complexities of Outdoor Ethernet Cabling: Evaluating SPE and Long-Reach Solutions to Optimize Network Efficiency;** Mohammad Shahid Khan, Sterlite Technologies Ltd., India

- (1:40 – 2:05 PM) ***Refreshment break with prize drawing. Available to Technical Symposium attendees only.***



Session 13: SUBMARINE CABLE DESIGN & INSTALLATION

Chairperson: Michael Johnson, Nabaltec, USA
Room: Sanibel

Wednesday, November 4, 2:05 – 3:20 PM

13-1 (2:05) **Development of Deep Water Armor Type Submarine Cable;** Yoshinao Kai, OCC Corporation, Japan

13-2 (2:30) **Fiber Optic Underwater Cable Installation Using Remote Control;** Svend Hopland, Hopland MarinInstal, Norway

13-3 (2:55) **Comparative Study of Blending-Type and Copolymer-Type Water Tree Retardant XLPE Compounds for 66 kV Submarine Cables;** Xiaoxiong Miao, Zhejiang Wanma Macromolecule Material Group Co., Ltd., China

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Eastern USA	Sunday, November 1	Monday, November 2
8:00 AM		*Core* Professional Development Courses 8:00 AM–12:00 PM **MA101: Selection & Use of Materials in Wire & Cable** Room: Miami 1
8:30 AM		**Executive Session** 8:30 – 12:00 PM Room: Sun C
8:55 AM		
9:20 AM		
9:45 AM		**Coffee Break** 9:45– 10:10 AM
10:10 AM		
10:35 AM		**EX101: The Art & Science of Extrusion Machinery for Wire & Cable** Room: Miami 2
11:00 AM		
11:25 AM		**FO101: Fundamentals of Optical Fibers and FO Cable Design & Application** Room: Miami 3
11:50 AM		
12:15 PM		**Plenary Luncheon** *with awards and Keynote presentation by* ***Matthew Griffin****, founder,* ***311 Institute*** 12:00 – 2:00 PM Room: Sun A
12:40 PM		
1:05 PM	*Elective* **Professional Development Courses** 1:00–5:00 PM **MA211: Basics of Fluoropolymers and Their Use in Various Cable Applications** Room: Miami 1 **FO212: Advances in Optical Fiber and Their Applications** Room: Miami 2 **CU202: Copper Cabling Technology - Advanced Transmission Line Theory and Measurements** Room: Miami 3	**Supplier Exhibition™** 2:00 – 6:00 PM Exhibit Hall A *5:30 PM Prize Drawing*
1:30 PM		
1:55 PM		**Supplier Spotlight Presentations** 2:15 – 4:00 PM Exhibit Hall -A Innovation Hub
2:20 PM		
2:45 PM		
3:10 PM		
3:35 PM		**Happy Hour and Poster Paper Session** 4:00 - 6:00 PM Exhibit Hall A - Innovation Hub
4:00 PM		
4:25 PM		
4:50 PM		
5:15 PM		
5:40 PM		
6:00 PM+		75th Anniversary Celebration! - Cirque Royale *All Attendees + Family Members Welcome* 6:00 – 8:30 PM

Tuesday, November 3

Session 1
Copper: Data and Power Convergence
8:30 - 10:10 AM
Room: Sanibel

Session 2
Fiber
8:30 - 10:10 AM
Room: Miami

Session 3
Installation
8:30 - 10:10 AM
Room: Daytona

Session 4
Resilient Materials & Additives
8:30 - 11:00 AM
Room: Sun D

Coffee & Networking in Exhibit Hall
10:00 – 11:00 AM

Supplier Spotlight Presentations
10:45 - 11:30 AM
Exhibit Hall A-
Innovation Hub

Supplier Exhibition™
10:00 AM– 2:30 PM
Exhibit Hall A
1:15 PM Prize Drawing

75 Years of Innovation Presentations
11:30 AM - 1:15 PM
Exhibit Hall - A
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Special Sessions
*with Keynote presentation by **James Briones**, Deputy Assistant Secretary, Grid Upgrades*
U.S. Dept of Energy, Office of Electricity

Special Session #1

Sustainable Grid Infrastructure and Resilient Networks

1:30 PM - 3:50 PM
Room: Sun C

Refreshment Break 3:50 - 4:10 PM

Special Session #2

Innovations in Data Center Connectivity

4:10 - 6:00 PM
Room: Sun C

Wednesday, November 4

Session 5
Connectivity
8:55 - 11:25 AM
Room: Sanibel

Session 6
Fiber Cable Design
Part 1
8:30 - 11:50 AM
Room: Miami

Session 7
Engineering Sustainability in Cable Systems
8:30 - 11:50 AM
Room: Daytona

Session 8
Codes & Standards
8:30 - 11:25 AM
Room: Sun D

Coffee Break 9:45– 10:10 AM

Lunch Provided for Technical Symposium Attendees

Session 9
Hollow- and Multi-Core Fiber Cables
12:00 - 3:20 PM
Room: Sun D

Session 10
Fiber Cable Design
Part 2
12:00 - 3:45 PM
Room: Miami

Session 11
Materials for Demanding Applications
12:00 - 3:20 PM
Room: Daytona

Session 12
Single-Pair Ethernet
12:00 - 1:40 PM
Room: Sanibel

Refreshment Break with Prize Drawing 1:40 - 2:05 PM

Session 13
Submarine Cable Design & Installation
2:05 - 3:20 PM
Room: Sanibel

Eastern USA
8:00 AM
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6:00 PM+

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Help advance the worldwide cable and connectivity industry by sharing your research. In addition to presenting at the Forum, authors may participate in the IWCS Webinar Series, a live presentation of your paper with a global audience.

Suggested Topics (additional topics are also welcome)

MATERIALS & ADDITIVES

- Compound Manufacturing
- Processing / Extrusion
- Cable Component Materials
  - » Fluoropolymers
  - » PVC
  - » Low Smoke / Halogen Free
  - » Olefins
  - » Thermoplastic Elastomers
  - » Thermoplastic Urethanes
- Connectivity Materials
- Raw Materials / Ingredients
- Liquid Cooling for Cables, Chips, & Servers
- End-of-Life Cable Recycling Technologies
  - » Collections, Segregation, Logistics
  - » Processing / Cable Component Separation
  - » Supply Chain Circularity (Reuse in Cable Compounds & Components)
- Sustainable Materials
  - » Bio-Based & Renewable Polymers
  - » Low-Carbon / Reduced Carbon Footprint Compounds
  - » Mass Balance & Certified Sustainable Materials
  - » Recycled Content Formulations

DATA CENTERS & AI

- Hyperscale, Enterprise & Edge Data Centers
- Optical Fiber vs Copper Solutions
- Architecture & Topology (Top of Rack; End of Row; Structured Cabling)
- Transformation to Generative AI Systems and Quantum Computing Capabilities
- Hollow Core & Multi-core Technology for AI Data Centers
- Novel Cable Technology to Power AI Data Centers
- Ultra High-Density Cables with Reduced Diameter Optical Fibers
- Liquid Cooling for Cables, Chips, and Servers

COPPER CABLES

- Copper Conductors
- Performance Modeling, Measurements & Testing
- Copper Cable Accessories
- Data Communications / PoE
- EMC / Single Pair Ethernet
- Sensor / Signal / Transmission Cable
- Medium / High Voltage Power
- Energy Transition
  - » AC to DC
  - » Demand Challenges and Solutions
- Twinax Cable Assemblies
- New Technologies, AI, and Machine Learning for Copper Cable Manufacturing

CODES & STANDARDS

- Safety
- Performance
- Environmental Impact / Eco-Labels

ENERGY INFRASTRUCTURE

- Renewable Energy Cabling (Offshore/ Onshore Wind, Solar)
- Smart Grid

ADVANCEMENTS IN COPPER & OPTICAL CONNECTIVITY

- Interconnect / Connectors
- Optical Connectivity
- Wire Harnesses
- Assemblies
- Harsh Environments
- Ferrule-Less Alternative Optical Connectivity Methods
- High Density Interconnect Developments
- Field Installable / Fusion Splices / Terminations
- Field Identification / Repair / Reconditioning
- Hyperscale Connectivity
- Very Small Form Factor (VSFF) and Expanded Beam Optics (EBO) Connectorization Technology

FIBER OPTIC CABLES

- Microduct
  - » Air Blown
  - » Splicing Technologies
  - » Tooling & Testing
- Optical Cable / Fiber Design and Characterization
  - » Novel Cable Designs
  - » Multi-Core / Hybrid Cables
  - » Micro-Cables
  - » FTTx / FTTH and Installations
- Multi-Core & Specialty Fiber
  - » Optical Fiber Applications
- High-Density Ribbon & Loose Tube Cable
  - » Flexible Ribbon
  - » High Density Cable
- Ultra Low-Loss Optical Fibers
- Multimode Fiber
- Next-Generation Specialty Fibers
- Reliability Measurements / Process Control
- New Technologies, AI, and Machine Learning for Optical Fiber and Fiber Optic Cable
- Ultra High-density Cables with Reduced Diameter Optical Fibers

NETWORK INFRASTRUCTURE

- Cable Measurement, Reliability and Maintenance
- Broadband Connectivity
- Wireless Signal Transmission
- 5G Cabling / Network Technology
- Smart cities and Buildings
- Middle Mile

CONVERGENCE OF POWER & DATA

- Hybrid Cables
- Power over Ethernet
- Thermal Bundle Management
- Digital Electricity™ / Fault Managed Power
  - » Fault Managed Power Delivery
  - » Digital Electricity / NEC® Class 4

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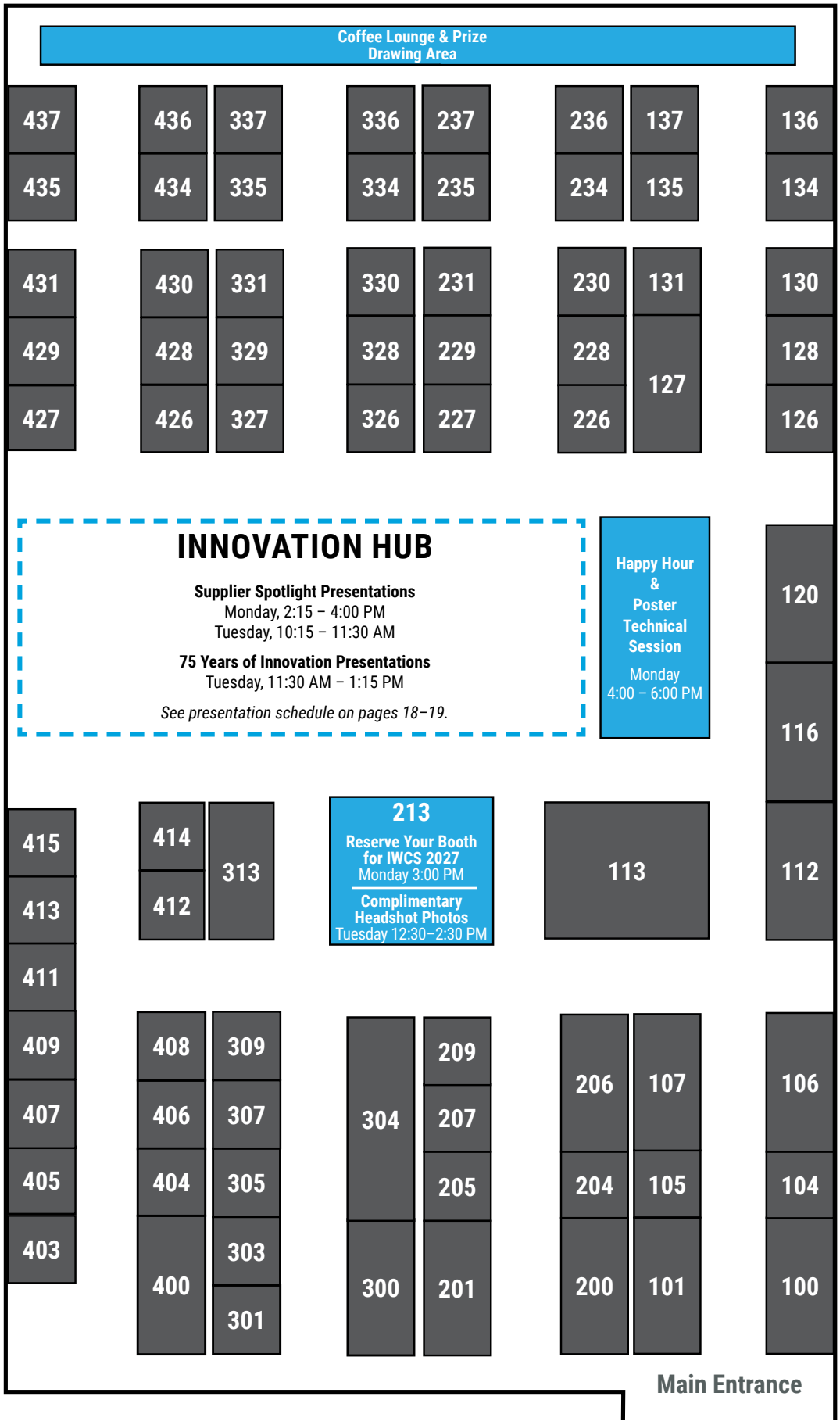


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- Halogen-free compounds to achieve European CPR Class B
- Renewable energy cable compounds (EV, Solar, Wind) including cross-linkable options
- Nuclear energy cable compounds tested against CERN
- Lower carbon footprint grades
- Semi-conductive compounds for MV and HV
- Tough outdoor materials (CPE) for AI in agriculture

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Visit Arkema at Booth# 206 to learn how our High Performance Polymers portfolio is enabling the next generation of wire, cable, and connectivity infrastructure. Arkema supplies a broad range of advanced materials for applications requiring long-term reliability, durability, and high-performance processing characteristics. Our portfolio includes Kynar® PVDF, Rilsan® PA11, Rilsamid® PA12, Pebax® elastomers, Orgalloy® alloys, and Kepstan® PEKK thermoplastics. These materials are used across power, industrial, communications, aerospace, and transportation cable applications where flame and smoke performance, chemical resistance, temperature capability, flexibility, and mechanical durability are critical.
Arkema continues to develop material solutions for the rapidly expanding data center and fiber optic cable market, supporting high-speed connectivity with polymers engineered for fiber protection, cable durability, ease of processing, and demanding installation environments. Our long-chain polyamides and specialty polymers also provide proven solutions for high-performance power cable and connectivity applications requiring lightweight construction and extended service life.
Arkema is a global leader in innovative, durable, and bio-based material solutions for the wire and cable industry.

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Artofil is the manufacturer of High Tech Yarn for industrial applications. Customers rely on our knowhow and expertise for more than 70 years. Close cooperation enables Artofil to provide dedicated yarn solutions that fit our customer's requirements. We develop and produce high reliability quality products for high quality applications. Artofil is your Technical Yarn specialist and preferred partner for Water Blocking Yarn for Power Cable, Water Blocking Yarn for Fiber Optic Cable, Water Blocking Coating; Blockcoat, for fully dry high-density fiber and micro cables.

ATK Flame Retardant Materials Company **436**
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ATK Flame Retardant Materials Company specializes in developing, manufacturing and marketing of high-performance magnesium hydroxide and alumina trihydrate flame retardants. Adopting the world's leading product and process technologies and advanced operations management, we have built two plants in the Jiangsu and Qinghai provinces in China to ensure seamless supply chain integration and manufacturing processes. Aided by technology platform of in-house Provincial Research and Engineering Center of Green Flame Retardants, we are the industrial pioneer in cutting-edge technological and commercial development of magnesium hydroxide. Our Aitemag® MDH and Aitemina® ATH products, in compliance with REACH and RoHS regulations, enable green growth of a broad range of flame retardant polymer industries. The ATK team strives to exceed customer's expectations by providing high quality products. Our staff is committed to assisting customers to achieve their flame retardant product needs. Our team of experienced specialists work closely with customers to provide professional consultation and technical support, enabled by world-class multifunctional laboratories and pilot plants built for product and application development.

Aversion Technologies, Inc. **327**
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Aversion Technologies, Inc. produces high-performance repellent masterbatches designed to protect wires, cables, pipes, tubes, and other polymer-based products from damage caused by rodents, termites, and other insects.
Our Repela™ product line includes Repela™ for Rodents, Repela™ for Insects, and Repela™ Combi, which provides combined rodent and insect protection. Typical applications include electrical and fiber-optic cables, plastic pipes, wiring harnesses, electrical boxes, foam insulation, and other compounded materials. Repela™ is EVA-based and compatible with PVC, LDPE, LLDPE, HDPE, LSOH/HFFR, XLPE, EPDM, PP, ABS, and other polymers. Repela™ masterbatches mix uniformly with the base polymer at normal processing temperatures. They are non-toxic, non-hazardous, low odor, and easy to incorporate into routine manufacturing processes.
Founded in 2005, Aversion Technologies serves cus-

tomers worldwide with specialized repellent masterbatch solutions. Visit us at Booth 327 to learn how Repela™ can help protect your products.
The product details and company history are supported by Aversion Technologies' About Us page, Repela for Rodents page, and Repela Combi page.

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Avient Corporation is an innovator of materials solutions that help our customers succeed while enabling a sustainable world. We offer technologies formulated to meet various demands for wire and cable applications. Our customizable thermoplastics, colorants, additives, and engineered fibers are used in high-performance components such as insulation, jacketing, rip cords, strength members, yarns, and cross-web materials. Other examples of our materials include:

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- Unique technologies that improve the recyclability of products and enable recycled content to be incorporated, thus advancing a more circular economy.
- Light-weighting solutions that replace heavier traditional materials like metal, glass, and wood, which can improve fuel efficiency in all modes of transportation and reduce carbon footprint.
- Sustainable infrastructure solutions that increase energy efficiency, renewable energy, natural resource conservation, and fiber optic /5G network accessibility.

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Axjo provides innovative, sustainable packaging and storage solutions, including drums, reels, and modular systems, tailored for various industries and built with eco-friendly materials.

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Delta Tecnic is a leader of manufacturing masterbatch and trading companies for over 40 years. Our heritage footprint began in Spain and is now extended to the Americas as a part of the USMCA for the Cable and PVC industries.
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Wire & cable process equipment supplier helping manufacturers make better products and achieve higher profits. Stop by to see equipment from VisioCablePro cable inspection, Guill tooling, FMS tensioning, and Nordson inline measurement & control.

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Excelitas will display its expanded portfolio of UV curing systems from its Fusion UV®, OmniCure® and Phoseon® brands at IWCS (booth #126).
Phoseon fiber curing systems consist of a high intensity UV LED light source, which cures the coatings



protecting the glass fibers, along with a Fiber Reflector Unit (FRU) to direct the UV energy around the circumference of the fiber. The UV LED light source and FRU are enclosed in an IP52 enclosure, protecting the system from liquid spills.
OmniCure AC9225-F UV LED curing systems are specifically designed for fiber curing applications, featuring an innovative optical design to enhance output and optimize delivery of UV onto the fiber. With up to 80 W/cm2 irradiance on the fiber in the standard face to face configuration, the OmniCure AC9225-F provides an air-cooled, high output solution to meet the increasing demand for faster process speeds.
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Fiber Optic Center, Inc., (FOC), is an international leading distributor specializing in helping their customers make the best cable assemblies in the world and providing expertise on polishing and connectivity best practices. FOC partners with Technical Horsepower Consulting (THC), an international leader in consultation and technical training in the areas of optical cable, optical sensors and cable/connector interface. The FOC and THC partnership unites the technical and supply chain professionals on the connectorization of cabling infrastructure.
FOC also provides specialty optical fiber manufacturing consulting services, including fiber process development, preform fabrication, troubleshooting, and personnel training, while partnering with SG Controls to provide the highest quality optical fiber process development and manufacturing equipment, including fiber draw towers, MCVD systems and rare earth doped fiber manufacturing solutions.

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Fil-Tec, Inc. is leading the way in innovative fiber solutions for the wire and cable industry, offering a complete line of performance yarns for Fiber Optic, Power, and Hybrid cable constructions. Our product line includes Binder Yarns, Buffer Tube Yarns, Ripcords, Strength Members, Fillers, Marker Yarns, and Specialty high-swell yarns for power cables. These low-dust, high-performance yarns can be rendered water blocking, non-wicking, or water swellable and deliver a low-maintenance, environmentally cleaner solution for cable production and servicing. Our USA-based, family-owned, and operated company has been disrupting the industry for almost 50 years. We look forward to partnering with you to develop the best solution for your cable application.

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Guelph Twines makes specialty plastic and paper cordage products for a variety of industries throughout North America. We were founded in 1972, when four former members of the venerable Brantford Cordage Company moved to Guelph, Ontario, Canada and utilized their comprehensive experience in the cordage industry to begin their own manufacturing company, Guelph Twines Ltd. Over the years, our company has succeeded by remaining highly responsive to our customers, providing consistent quality and being innovative in our product lines. These goals are made possible by a very capable group of people.

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The beginnings of Herkula date back to 1894. At Herkula, we have invested our many years of existence into the perfection of our craft. The know-how we have accumulated over these years is unrivalled in the industry. The core business of Herkula consists of the development, production and distribution of special inks, varnishes and coating materials for the optical fiber and cable industry. We maintain two state-of-the-art R&D laboratories which work in close cooperation with our customers to develop customized solutions for individual requirements. Furthermore, Herkula brings new innovative products to the market in order to comply with evolving industry standards. We supply over 475 well-known industrial companies in 66 countries with cutting-edge products that meet the required high-quality standards. Herkula is proudly characterized by experience, innovation and expertise.

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The industrial yarn business of Dongyang Nylon and Dongyang Polyester, the origins of Hyosung Group, gave rise to Hyosung Advanced Materials, a global material company that produces world-class products through independent technology development and constant innovation.

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Huber Advanced Materials is a trusted global leader and supplier of innovative and sustainable material solutions. We manufacture a comprehensive portfolio of value-added Martinal®, Hydral®, Hymod® and Micral® aluminum hydroxides (ATH); Magnifin®, Vertex® and Zerogen® magnesium hydroxides (MDH); Kemgard® molybdate compounds; and Safire® nitrogen-phosphorus fire retardant technology. We deliver technical solutions for a variety of end-use applications, including wire and cable, reinforced polyester molding and pultrusion, engineering thermoplastics, roofing, silicone rubber, coatings and carpet backing. Huber Advanced Materials operates four manufacturing sites in North America and two in Europe. Our innovative portfolio of thermal management solutions includes Martoxid®, Magnifin® and Martinal®, which offer technical advantages like allowing for high filler loading levels while being reliable and cost-effective. In addition, Huber produces Martoxid® calcined aluminum oxide, Compalox® activated aluminum oxide and Pergopak® organic matting agents.

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Contact: Kiara Pino, Tim Bizati

Info-Gel LLC. is the world's premier manufacturer of thixotropic gels used by fiber optic, cable and wire companies worldwide. Started in the 1990's and based out of Charlotte, NC, we have factories in the USA, Ireland and a JV in India to ensure products are delivered with short lead times to the highest quality standards.

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IWCS organizes the Cable & Connectivity Industry Forum as the premier technology event for the exchange of information about product, material and process innovation for cabling and connectivity solu-

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tions. IWCS also provides networking and development opportunities for industry professionals by offering educational webinars and scholarships. IWCS is committed to strengthening its connectivity content and industry presence, providing interaction with technical and supply chain professionals on the connectorization of cabling infrastructure. We present new content and promote discussion of ideas and innovations to advance connectivity solutions.
On Tuesday between 12:30–2:30, stop by booth 213 to have a professional headshot photo taken by our event photographer. Receive a free copy of your photo to be used on LinkedIn and beyond!

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Kinrei of America is the North American Manufacturers' Representative for the wire and cable Industry. Through our partnerships with world-class machine and product manufacturers, we provide turn-key solutions to wire and cable manufacturing challenges along with industry-expert knowledge. Kinrei of America is committed to providing the highest quality products and value-added services to our customers in the wire and cable industry.

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We're a leading international distributor of thermoplastic resin, helping clients and suppliers with everything from sourcing and logistics solutions to strategic marketing channels. Manufacturers of wire and cable products have unique and complex material requirements. M. Holland offers a wide variety of plastic compounds, gels, and tapes to meet the industry's diversified needs, allowing us to be a single-source supplier. Beyond the distribution of materials, we offer expert compounding capabilities to match our clients' specifications. We also provide a range of testing and application development services at our dedicated M. Holland Technical Services Laboratory. And because our materials ship from seven strategically located warehouses throughout North America, we help keep the supply chain reliable

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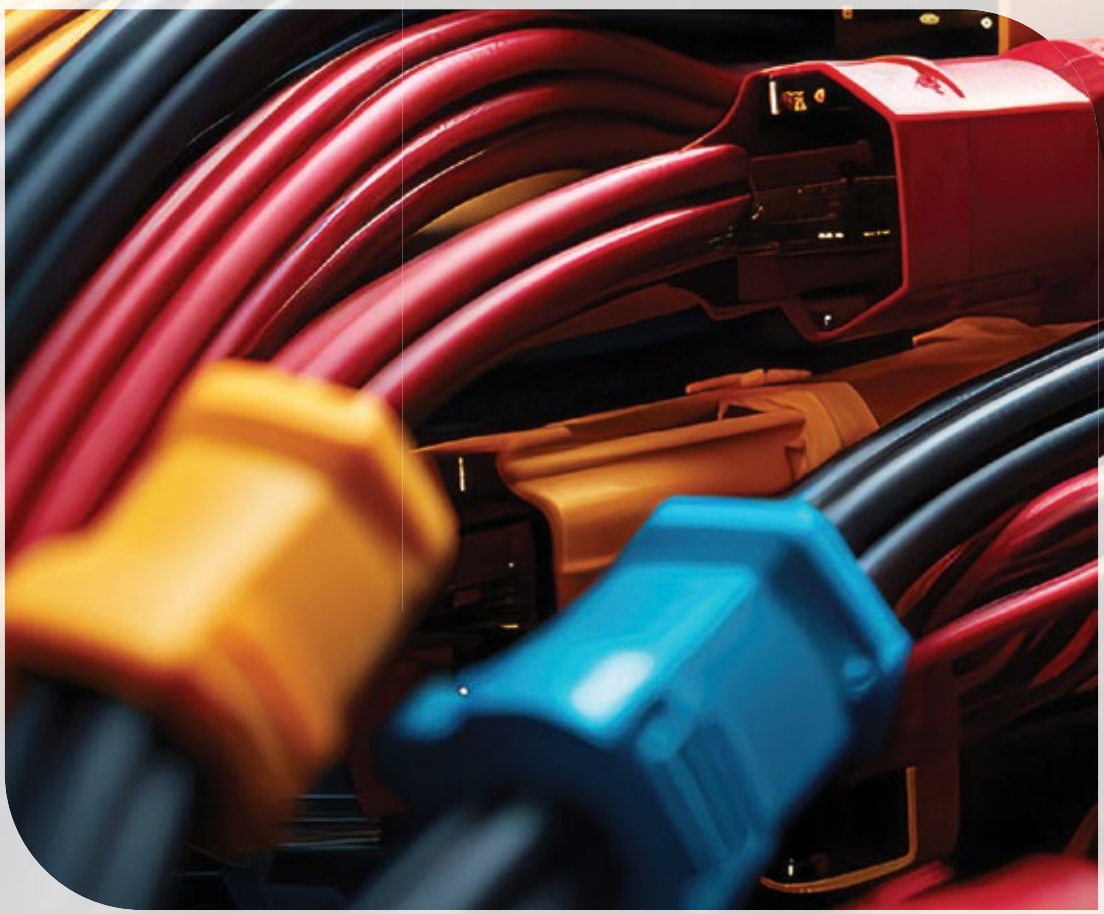
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This year's IWCS will feature Maillefer as a prominent exhibitor. The company will showcase its latest advancements and reaffirm its dedication to sustainability. A highlight of Maillefer's presence will be Mr. Jussi Hanhirova's presentation on the "Topography Scanner," a platform for groundbreaking ideas that will redefine industry standards. By combining cutting-edge technology demonstrations with this forward-thinking presentation, Maillefer is poised to shape the future of the industry. We are also excited to share our recent breakthroughs in autonomous buffering line development. Visit Maillefer at booth number 428 to explore these innovations firsthand.

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Contact: Verena Schwarz

Medek & Schörner, a leading manufacturer of cable marking machines and optical fiber processing lines, will be attending the Cable & Connectivity Industry Forum by IWCS from November 1–4, 2026, in Orlando, Florida, USA. Visitors can meet the company's experts, including Managing Director Gregor Baumann, at Supplier Exhibition Booth 127 to gain insights into the latest innovations and customized optical fiber solutions.
Based in Austria, Medek & Schörner delivers cutting-edge technology and tailor-made solutions to the cable and wire industry worldwide. The company's premium-quality machines are renowned for their precision engineering, reliability, and continuous technological advancements.

Optical Fiber Lines from Medek & Schörner are designed for coating and color-coding optical fibers with UV-curable inks, ranging from compact single-line machines to complete multi-fiber coloring systems for up to six fibers. These systems offer options such as ring marking, tight buffering, and inline proof testing. In addition, the company's fiber lines enable the bonding of up to 24 optical fibers to form high-quality fiber ribbons or micromodule cables.
Through close cooperation with the cable and wire industry, Medek & Schörner stays aligned with emerging industry requirements and rapidly converts them into innovative production concepts.
Recent technological advancements include:

- Cutting-edge intermittent ribbon production technology
- Optical fiber coloring and curing stations using energy-efficient LED irradiation units, resulting in up to 93 % less downtime and up to 81 % lower energy costs
- Innovative optical fiber ring marking technology (Camouflage Coloring)

The company's broad and proven product portfolio includes:

- Optical fiber color coating systems including ring marking, tight buffering, and proof testing
- Production lines for optical fiber ribbons, micromodule cables/compact fiber units (CFU), and intermittent ribbons
- Camera supervision systems for monitoring the print quality of high-speed printing machines
- Cable marking machines:
  - High-quality gravure printers
  - Offset markers for irregular cable surfaces
  - Embossing and hot foil sequential meter or footage markers
  - High-speed embossing printers for indent or raised marking
  - High-performance ring markers
  - Laser marking systems
- Custom-designed cable marking machines and optical fiber solutions
- IoT/Industry 4.0-ready machine interfaces

IWCS provides the perfect platform for Medek & Schörner to connect with industry professionals and explore how our engineering expertise and customized solutions can meet specific project requirements. We look forward to engaging technical discussions and to sharing ideas that will help shape the future of optical fiber production.
Visit us at the IWCS Forum 2026, Booth 127, to discover how our product portfolio and latest innovations can enhance your production!

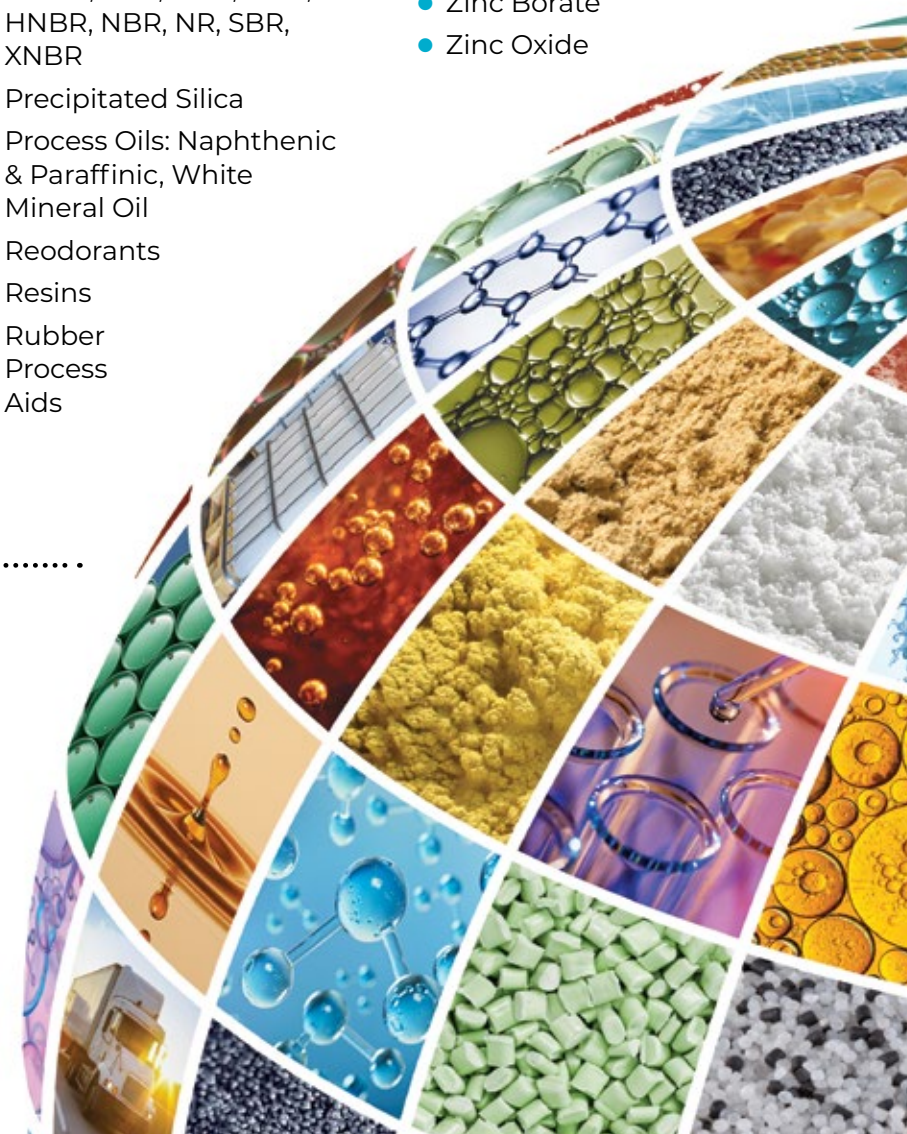
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Melos is a leading German company in the developing formulations for cable compounds that are used in various areas of applications: Installation, Aerospace, Marine, Defence, Green Energy, Automotive, Rolling Stock, Rapid Transit, Railways, Offshore or Shipbuilding. Melos Cable Compounds can be used for low, medium and high voltage cables. Since many decades Melos Cable Compounds are used worldwide. Modern processing machines and well-established processes lead to an economical and environmentally friendly way of manufacturing. The key strengths of Melos are the proven quality, a lot of experience in different markets, flexible logistics, high capacity and delivery reliability. Melos offers a range of thermoplastic and radiation crosslinkable sheathing and insulation materials under the brand MECOLINE, as well as bedding compounds under the brand FM for different types of cables. Melos actively develops new formulations for MECOLINE cable compounds which are used in a whole variety of different applications for insulation and sheathing applications. Flame retardant FM bedding compounds will significantly increase the flame retarding properties of the cable construction. For this purpose, Melos has installed an own laboratory with sophisticated equipment and experienced R&D employees. Flame resistance of the entire cable construction is guaranteed by using appropriate formulations to meet stringent safety and environmental standards. Bedding compounds from Melos are halogen-free and environmentally friendly. In suitable designed cables, Melos bedding compounds acts as a perfect barrier preventing interaction (migration) between the sheathing and insulation. Modern production facilities in Melle, Germany allow Melos to manufacture numerous compounds according to customer specifications. All products are subject to stringent quality control and manufacturing procedures certified by independent institutes.

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The MGS Group is dedicated to providing its customers the highest level of automation and technology for product handling and twisting systems, customized to optimize individual applications, using comprehensive design and engineering capabilities, with equipment ruggedly built for decades of reliable, consistent service. The MGS Group is home and management arm for industry giants: MGS Manufacturing, Hall Industries and Northampton Machinery. Under The MGS Group guidance we have combined complimentary machinery businesses focusing on the wire, cable, fiber optic, hose, tube and related industries.

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Mitsui Chemicals America is a global leader in advanced material solutions for the wire and cable industry, offering a comprehensive portfolio designed to meet the evolving demands of modern infrastructure. From low-voltage to offshore HVDC applications, our innovative elastomers and polymers—such as TAFMER™, ADMER™, TPX™, VNB-EPT, and MILASTOMER™—enhance flexibility, tensile strength, heat resistance, and environmental performance. Our materials support halogen-free flame retardant (HFFR) designs, improve dielectric properties, and offer PFAS-free alternatives for high-frequency insulation. With decades of expertise and a commitment to sustainability, Mitsui Chemicals delivers high-performance, processable, and durable solutions that power the future of electrification, telecommunications, and mobility. Visit us to discover how our materials can elevate your cable designs with superior safety, efficiency, and environmental compliance.

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Nabaltec AG, with registered office in Schwandorf, a chemicals business which has received multiple awards for innovativeness, manufactures, develops and distributes highly specialized products based on aluminum hydroxide and aluminum oxide on an industrial scale through its two product segments, “Functional Fillers” and “Specialty Alumina.” The company’s product range includes eco-friendly flame retardant fillers and functional additives for the plastics industry. Flame retardant fillers are used e.g. in cables in tunnels, airports, high-rise buildings and electronic devices, while additives have



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applications in catalysis and in electric vehicles. Nabaltec also produces specialty oxides for use in technical ceramics, the refractory and polishing industries. Nabaltec maintains production sites in Germany and the USA and plans to continue to develop its market position by expanding capacity, further optimizing processes and quality and making strategic extensions to its product range. On the strength of its specialty products, the company strives to attain the market leadership in each segment.

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Nordson EFD is a global leader in precision fluid dispensing solutions, trusted by manufacturers of fiber optic cables, optical transceivers, connectors, and other critical data center infrastructure components. Our jetting, dispensing, and automated systems deliver accurate, repeatable application of UV adhesives, epoxies, thermal interface materials, and other specialty fluids used in optical communications and AI-driven data center technologies. By improving process consistency, product quality, and material utilization, Nordson EFD helps manufacturers increase throughput and efficiently scale production to meet the growing demand for next-generation networking and hyperscale data center applications.

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Emails: yaman@ozenusa.com, claudia@ozenusa.com
Contacts: Yaman Sati, Claudia De Leon

Originally established as a manufacturer of sewing threads for shoes and saddlery, OZEN USA has evolved into a dynamic company serving a wide range of industries. Through strategic investments and continuous innovation, we now provide high-quality products for sectors including technical textiles, furniture, cable, home textiles, saddlery, automotive, and denim. Our core mission is to deliver products and services that meet international standards while ensuring long-term continuity and customer satisfaction. At the heart of our operations lies a commitment to offering optimal solutions tailored to the needs of both current and potential clients. We maintain strong, ongoing communication with our customers, enabling us to anticipate their expectations and develop new, customized product designs that meet their evolving requirements.
At OZEN USA, our goal is to be an environmentally responsible and forward-thinking company, building on our reputation for reliability and excellence—generation after generation.

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Email: rahul.bhosale@polyplast.co.in
Contact: Rahul Bhosale

Polyplast Chemi-Plants (INDIA) Private Limited manufactures specialized products for the fiber optic and power cable industries, serving fiber optic and power cable manufacturers with reliable reinforcement and water-blocking solutions.
Their product offering includes FRP Rods in uncoated, EAA coated, flat FRP, and water blocking FRP variants, as well as water blocking tapes in non-conductive and semi-conductive types. In addition to the cable industry, the company also supports customers with industrial and solar products.

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Proton Products Group was founded in 2000 and is a privately-owned British company with an international customer base. Proton Products is a leading manufacturer of instrumentation and control equipment for use in industrial production. We continue to expand our product range with affordable, innovative technology which provides our customers with solutions that improve production capabilities and efficiency. Our products make use of advanced technologies including laser Doppler speed and length measurement, laser scanning diameter measurement, CCD diameter measurement, high-frequency induction preheating

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Contact: Rick Brown

Reel Options® by Vandor Corporation delivers innovative, American-made reel and spool solutions engineered for the wire, cable, and connectivity industries. Manufactured from high-quality recycled materials, our products combine durability, efficiency, sustainability, and cost savings to meet the demands of today's manufacturers.
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Roblon is a total solution provider to the cable industry with focus on performance fibres for cables, cable-making machinery, and most importantly the interaction and synergy between machines and materials.
Roblon develops and manufactures performance fibres such as flexible glass and aramid strength members and ripcords (uncoated and water-blocking). In addition, Roblon manufactures a wide range of binder yarns, including new releases of fusible binder yarn and colored binder yarn for rollable ribbon designs.
Roblon furthermore manufactures state of the art servers, binders, precision winding equipment along with other generic cable handling equipment and is known for its high level of technical support and applicational knowhow. Roblon is ISO 9001 and 14001 certified and has been awarded the EcoVadis Medal.
Roblon is a leading global supplier of performance fibres and machinery to the FOC industry. Roblon has its R&D and Technology Centre in Denmark and has furthermore manufacturing facilities in Czech Republic, Europe.

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Contact: Anita Hennessee

Advanced technologies for future datacom networks. At IWCS 2026, Rosendahl Nextrom will present manufacturing technologies designed to meet the growing demands for data capacity, performance, and production efficiency. The focus is on solutions for both copper datacom and optical fiber cables, supporting manufacturers as network architectures and connectivity requirements continue to evolve.
Precision extrusion for higher data rates: For copper datacom, Rosendahl offers high-precision foam extrusion technology for applications requiring high data rates, low latency, and reliable performance at elevated temperatures, including Twinax cables. Flexible insulation technology enables manufacturers to process solid and foamed designs, as well as high- and low-temperature materials, on the same production line.
Maximizing fiber density: As data centers scale and bandwidth demand grows, fiber optic cables need to carry more fibers in increasingly compact designs. Rosendahl Nextrom supports this with an integrated manufacturing chain for high-density datacom and DCI cables, from rollable ribbons and bundling to SZ super-bundling and final jacketing. This approach enables higher fiber density while maintaining reliable handling and scalable production.
Advanced fiber technologies: Nextrom is advancing technologies for specialty fibers, including hollow-core and multicore fibers, supporting new possibilities for high-capacity optical networks. Multicolor Ringmarking complements these developments with flexible, reliable fiber identification for increasingly complex fiber designs. In addition, the portfolio includes fiber drawing and proof testing solutions at speeds of up to 3500 m/min.
Meet Rosendahl Nextrom at IWCS 2026 – booth 434 – to learn more about these technologies and the possibilities they offer.

Runaya Private Limited **337**
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devkumar.lalla@runaya.com
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Runaya is a new age manufacturing company aiming to provide technology-based sustainability solutions for India's manufacturing landscape. Our technology business segment encapsulates the telecom grade FRP and ARP rods for optical fibre cables. Our vision is to be the factory of the world in the cable strength segment of telecom industry with a current capacity two million km at our Silvassa plant. Our products are manufactured by latest environment friendly processes with strong focus on quality and sustainability.

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For wire and cable applications, SABIC's SILTEM™ resins are potential fluoropolymer alternatives. They combine high-heat performance and non-halogenated flame retardance with flexibility and easy processing. Start your discovery here: bit.ly/Discover-SILTEM-resins
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Service Thread designs, develops and manufactures binders, ripcords, strength members and fillers from aramid, polyester, nylon, polypropylene and other specialty fibers. Our products are designed for wire and cable and are available with water blocking, non-wicking, abrasion resistant and other properties as needed. In our manufacturing process we ply, twist, treat and wind a variety of textile yarns. Through our own processes, we have become experts in package design, controlling yarn tension and other variables that can affect our customer's application of the yarns into their manufacturing process. We work with our wire and cable customers, sharing our yarn processing techniques, often resulting in faster processing speeds with less waste. Our goal is not to simply sell yarn products, but to offer a full service experience. We don't send out a catalogue of products and encourage you to buy today; we want to talk to you to learn about what you are using, why you are using it and how it fits into your cable. Our goal is to provide our wire and cable customers value beyond what you may be receiving now, and to help the industry with innovation in products and processes.

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Contact: Philie Colin

SETIC & POURTIER, a global leader in designing and manufacturing rotating machinery for the wire and cable industry, is at the very heart of the world's digital and energy transformation. With 35 years of experience in the US, we offer the widest range of twisting/stranding solutions for non-ferrous cable.
Our machines, designed as global solutions cover a wide range of applications including communication cables (LAN, Cat 6a to 8, essential for modern data centers), power cables (low, medium, high, and extra-high voltage, overhead, submarine), and equipment for automotive, AI, robotics, and aerospace. From large double twist stranders (up to 2600 mm) to rigid stranding lines (up to 169 wires), our solutions can triple productivity and halve energy consumption, while reducing manual labor by two-thirds compared to traditional methods
Committed to the environment, our ergonomic machines are designed to minimize the carbon footprint through cutting-edge technologies and reduced energy consumption
Our C2S services department provides global assistance to enhance the productivity, environmental efficiency, and safety of your equipment, regardless of its brand or age.
Visit our booth 236 to discover our cutting-edge, eco-friendly, and high-performance solutions, and discuss the latest technologies and collaboration opportunities with our experts.

Shaowu Yonghe Jintang New Materials Co., Ltd. (Niflon Fluoropolymer) **437**
Jintang Industrial park Shaowu
Nanping, Fujian Nanping China
Website: www.yonghe-chemical.com
Email: yonghe_gas14@qhyh.com
Contact: Ella Zhu

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SIKORA International **120**
150 Huddleston Road, Suite 1300
Peachtree City, GA 30269 USA
Website: www.sikora.net
Tel: 470-776-0268
Email: kclarke@sikora-usa.com
Contact: Kaylin Clarke

SIKORA, a manufacturer and supplier of advanced measuring, control, inspection, analysis and sorting technology, will be at IWCS booth 120. Visitors will have the opportunity to see a variety of online measuring and control systems that ensure quality control and process optimization in the wire, cable and optical fiber markets. SIKORA will display the CENTERVIEW 8000, which measures the diameter, ovality and eccentricity of jacketed wire up to 1'' in diameter. For precise diameter and ovality measurement, in conjunction with lump detection, SIKORA features the highspeed LASER LUMP 2000 series. Other highlights at SIKORA's booth include the FIBER 6000 series for quality control of optical fibers in the drawing tower. These comprise of gauge heads for measuring the fiber diameter, temperature, tension and concentricity of the fiber coating, as well as for the detection of lumps and neckdowns on the surface of the coated fiber.

Submarine Telecoms Forum **326**
21495 Ridgetop Circle, Suite 201
Sterling, VA 20166 USA
Website: www.subtelforum.com
Tel: 703-444-2527
Email: Knielsen@subtelforum.com
Contact: Kristian Nielsen
Submarine Telecoms Forum is the leading digital platform for submarine cable industry insights, offering a dedicated e-magazine, daily news feed and streaming video content.

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45 Seymour Street
Stratford, Connecticut 6615 USA
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Tel: 1-203-378-5015
Email: jhalsey@supersealcorp.com
Contact: Jackson Halsey

Super Seal is a worldwide market leader in wire and cable heat shrink products and accessories. Our heat-shrinkable solutions help electric utilities, energy, and industrial markets insulate, seal, and protect mission-critical assets and systems. We are a heat shrink products and accessories supplier that offers products such as end seal caps, heat shrink tubing,



wrap sleeves, and rain sheds that are designed and tested to meet the most demanding requirements of IEEE, IEC, UL, CSA, and ANSI, as well as many other international standards to ensure high performance and long-term reliability.

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Mumbai, Mah 400053 India
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Email: abhishek_r@taprath.com
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Contact: Keith Earhart, Paul Godwin

TDC is an engineering and machinery manufacturing firm.

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Tel: 1-517-260-0258
Email: moliver@teknorapex.com, jmello@teknorapex.com
Contact: Melanie Oliver, Jon Mello

For 100 years, industry partners have trusted global plastics compounder Teknor Apex for customized process solutions and new applications. The Teknor Apex portfolio boasts one of the broadest ranges of UL-recognized thermoplastic insulation and jacketing compounds for the wire and cable industry, including:

- Halguard® low-smoke, halogen-free flame-retardant compounds capable of meeting applicable UL and EU CPR requirements for infrastructure cables.
- Flexalloy® PVC elastomers for robotics, industrial cables, EV charger cables and flexible cords.
- Fireguard® low-smoke, highly flame-retardant PVC for copper and optical fiber data cables for plenum applications.
- Apex® flexible and semi-rigid PVC for appliance wire, building wire and control cables.

A family-owned company since 1924, Teknor Apex continuously innovates and raises the benchmark for extrusion and molding solutions in the wire and cable industry. The superior performance and excellent processing characteristics of our products prove our commitment to your success — and the people, products and partners that have made us a market leader. Stop by booth #113 to talk over your challenges and help us celebrate 100 years!

Tensor Machinery Ltd **305**
1580 - 53e Ave
Montreal, Quebec H8T 2X9 Canada
Website: www.tensormachinery.com
Tel: 514-633-8555, 514-775-8677
Email: jennifer.kepes@tensormachinery.com, robert.kepes@tensormachinery.com
Contact: Jennifer Martin-Kepes, Robert Kepes

Tensor Machinery Ltd. has been a designer and builder of process equipment for the wire and cable industry for decades. Tensor Machinery provides a wide range of equipment to manufacture fiber optic and copper cables from individual components to complete turnkey manufacturing lines. Our typical products include UV Coloring lines, Ribbon Fiber manufacturing, SZ and Planetary Stranding, Payoffs and Take-ups, Tape Armoring, Yarn Serving and complete Jacketing lines for Indoor and Outdoor cable products. The Tensor equipment uses the latest in mechanical, electrical and electronic technology and is engineered to withstand the daily demand placed on it by production.

Thermoplastics Engineering Corporation (TEC) **300**
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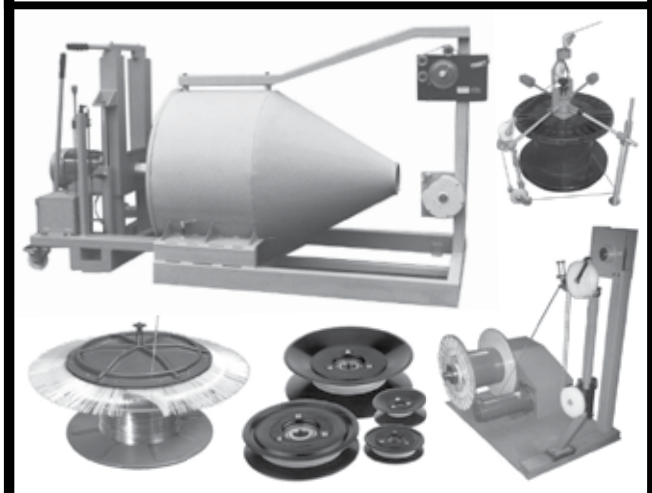
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nabeel.saleem@vermes.com
Contact: Eric Sari, Nabeel Saleem

VERMES Microdispensing brings truly revolutionary precision microdispensing technology to our show — opening up exciting new possibilities for fibre optic and cable manufacturing. From ultra-precise fibre coating to the bonding and protection of sensitive optical components, their sophisticated solutions have the potential to transform production processes across our industry.

WCISA® (Wire and Cable Industry Suppliers Association®) **226**
1741 Akron Peninsula Road,
Akron, OH 44313 USA
Tel: 330-864-2122
Contact: Mike McNulty
Email: info@wcisaonline.org
Website: www.wcisaonline.org

WCISA® is a non-profit association of more than 100 North American suppliers of machinery, materials, accessories and controls used for making all types of wire and cable. WCISA is a longtime supporter of the IWCS. WCISA's mission is to promote its member's products and services by providing its members with representation, networking/social opportunities and services at events and conferences. WCISA also awards scholarships.

Web Industries **112**
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Contact: Jim Evans,
Business Development Manager

Wire and cable manufacturing demands reliable production lines, controlled variability, and strict adherence to specifications. Material consistency, process stability, and supply continuity are essential because downtime or scrap directly affects costs and delivery. Web Industries delivers precision-formatted materials and components that enable manufacturers to scale production reliably.
Web Industries' product portfolio includes SuperBulk® cable filler, foamed and solid separator tapes, binder tapes, laminated shielding tapes, PET core wrap, and narrow-width flat and fibrillated PP/HDPE-based tapes. On-site formulation, extrusion, and lamination provide complete control over the film, foam, and multi-layer tape-making processes, allowing us to custom-tailor performance. Our extra-large traverse-wound spooling technology produces high-capacity spools that hold up to 200,000 linear feet of wraps or tapes, enabling longer, splice-free production runs and increased machine uptime. Web's collocated services offer single-source supplier solutions for U.S. and European manufacturers.
At Web Industries, our end-to-end design, development, converting, and automated manufacturing services, combined with innovative thinking and creative problem-solving, ensure our partners' success by accelerating production efficiency and time to market.

Wire & Cable Technology International (WCTI) **226**
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Wire & Cable Technology International, the Official Magazine of the IWCS Cable & Connectivity Industry Forum, is a leading worldwide technical magazine, covering the production, processing and use of communications, electrical and mechanical wire and cable as well as wire harnesses and cable assemblies. The magazine is published six times per year, in both print and digital editions, and it is distributed to wire and cable industry professionals in more than 100 countries. Additional publications include the annual Buyer's Guide, the monthly OVERVIEW business and marketing enewsletter and the IWCS Supplier Exhibition Directory.

Wire Association International / Wire Journal International **407**
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Contact: Shannon Timme, Anna Bzowski

The Wire Association International (WAI), Inc., founded in 1930, is a worldwide technical society for wire and cable industry professionals. The Wire Association International is the official tradeshow organizer of the WAI Operations Summit & Wire Expo and Interwire trade shows that promote products and services to the global wire and cable marketplace. The Wire Association International's official website, wirenet.org, hosts the online Industry Search, a database and search engine housing over 3200 company profiles.
Wire Journal International and the annual *WJI Reference Guide* are WAI's official publications, and the monthly "Off the Press" e-newsletter is the official newsletter. WAI also produces technical products, including HardWIRED educational videos and a host of technical handbooks, webinars, and DVD's. Stream



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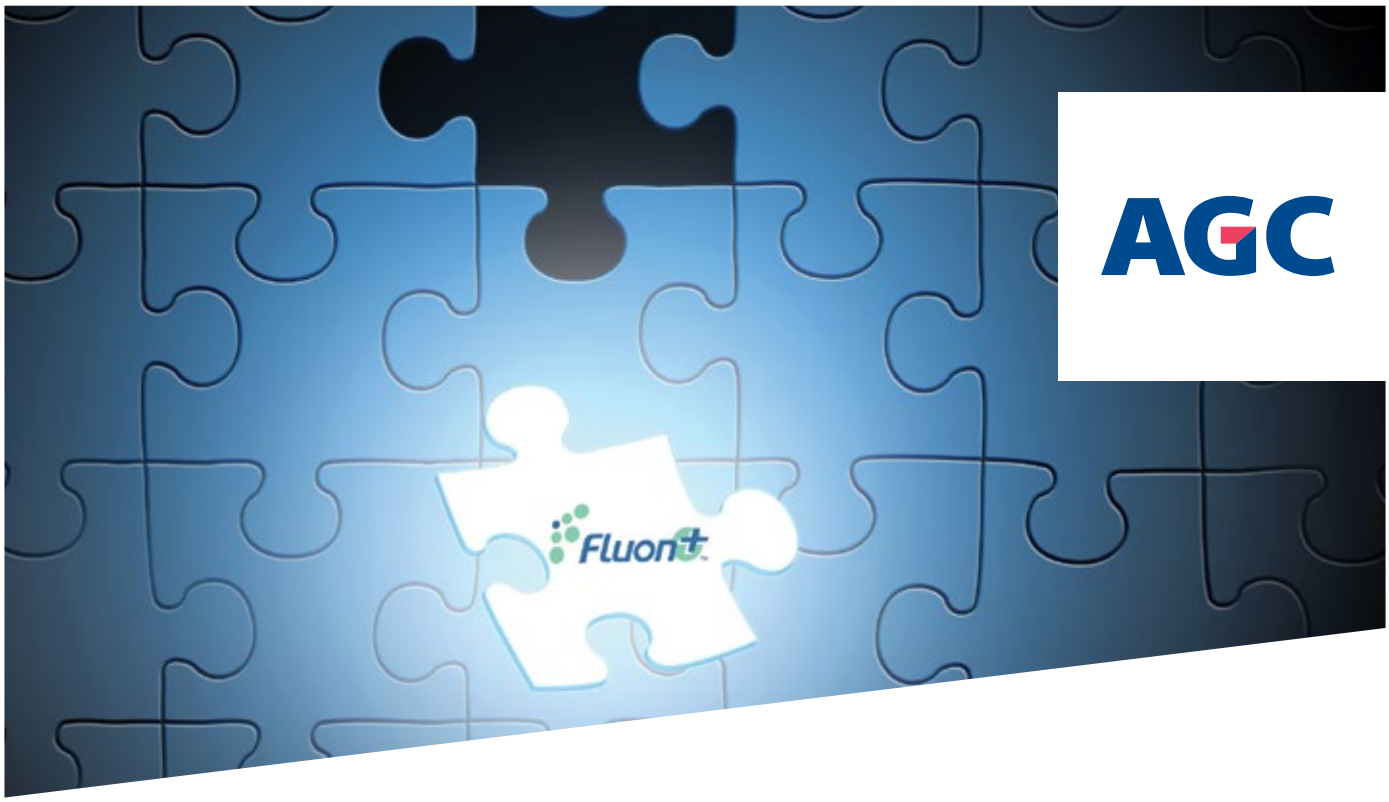
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PRODUCT SHOWCASE

Alphagary, an **Orbia** business, has expanded its portfolio of specialty polymer compounds for electric vehicle (EV) charging station cables. The materials are designed to retain flexibility and durability across extreme temperature ranges, addressing one of the most demanding requirements facing charging infrastructure as EV adoption grows.

EV charging cables face extreme outdoor conditions, from scorching heat to freezing cold. Alphagary's compounds are engineered to endure those conditions while maintaining the low-temperature flexibility essential to reliable, safe cable performance. The portfolio spans flame-retardant TPEs, robust FR TPU compounds and halogen-free (LSHF/HFFR) grades, including cross-linked options via e-beam or silane technologies:

- **FR TPE (GARAFLEX):** 105°C-rated compounds for insulation and jacketing, tested to UL 62 / UL 2263. Options include grades designed to pass FT2 and VW1 flame tests.
- **FR TPU (GARATHANE):** UV-stabilized sheath compound rated to 90°C with excellent low-temperature flexibility.
- **Halogen-free LSHF/HFFR grades (MEGOLON):** Non-halogen insulation and sheath compounds aligned to EN 50620, including cross-linked options.

Across the range, materials are developed to meet global standards reflecting deep expertise in polymer performance for the demands of European and North American markets.

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Carris Reels' Newest Innovation Keeps Your Reels Working, Not Waiting

Carris Reels is expanding its product line with the Steel Banded Nailed Wood Reel, designed to deliver measurable value across your supply chain. The steel banding is expected to double the reel's life cycle, making it an ideal fit for closed loop return systems, whether already in place or newly implemented. The design also optimizes repairs, reducing both the degree and cost of repair work while cutting repair time significantly. That means less time out of service and more time generating revenue in your supply chain. The reel is currently available through our Canadian facilities, with availability expanding as demand grows.

This addition strengthens an already broad product line built to meet the full range of wire and cable packaging needs. Carris Reels manufactures traditional wood reels, metal reels, and a wide range of durable plastic reels, giving customers options across every material, size, and application, from light duty spooling to heavy industrial use.

As an employee-owned company, Carris Reels operates one of the largest reel manufacturing footprints in the industry, with facilities across the United States, Canada, and Mexico. That network delivers shorter lead times, consistent quality, and dependable supply, wherever our customers do business. Learn more at **Carris.com**



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Excelitas will display its expanded portfolio of UV curing systems from its Fusion UV®, OmniCure® and Phoseon® brands at IWCS (booth #126).



Phoseon fiber curing systems consist of a high intensity UV LED light source, which cures the coatings protecting the glass fibers, along with a Fiber Reflector Unit (FRU) to direct the UV energy around the circumference of the fiber. The UV LED light source and FRU are enclosed in an IP52 enclosure, protecting the system from liquid spills.

OmniCure AC9225-F UV LED curing systems are specifically designed for fiber curing applications, featuring an innovative optical design to enhance output and optimize delivery of UV onto the fiber. With up to 80 W/cm² irradiance on the fiber in the standard face to face configuration, the OmniCure AC9225-F provides an air-cooled, high output solution to meet the increasing demand for faster process speeds.

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As a single source provider, the Excelitas portfolio includes UV lamps and systems, UV LED spot and area curing systems, UV microwave, Infrared emitters and systems, and medium pressure UV lamps.

Visit us at Booth #126 during the 2026 IWCS Cable & Connectivity Industry Forum. **www.excelitas.com**

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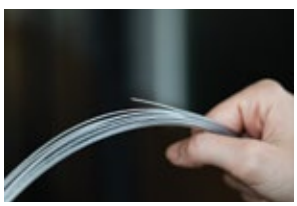
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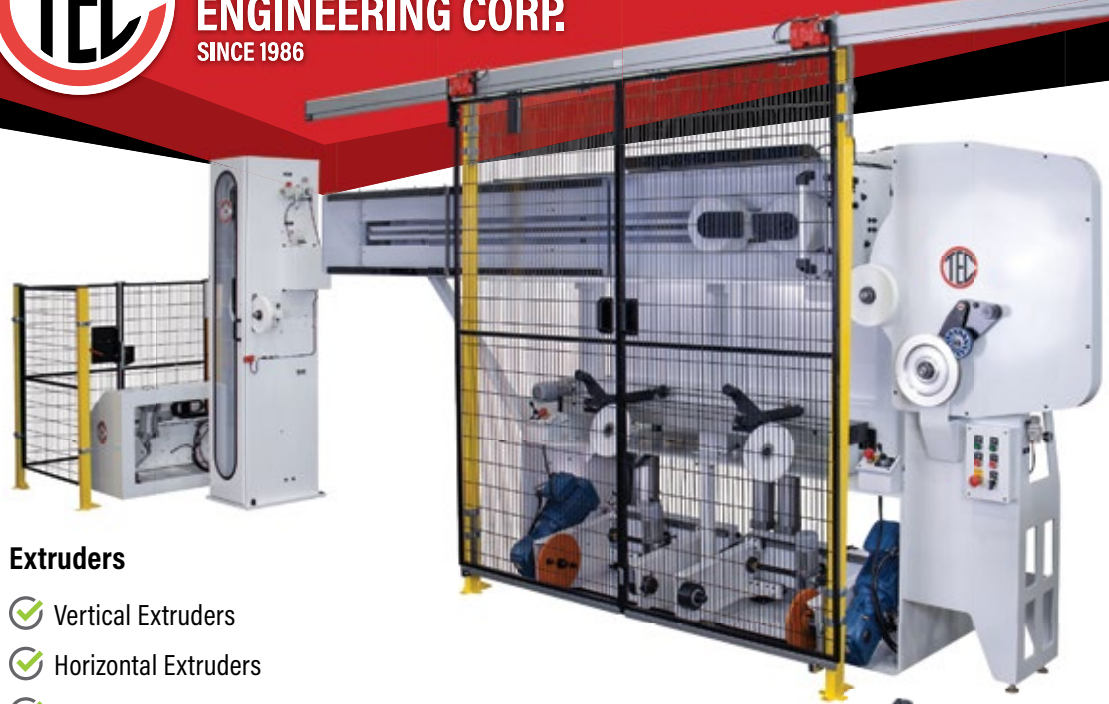
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www.alphagary.com

Booth 101

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Chemours is a global leader in chemistry, delivering cutting-edge fluoropolymer solutions enabling innovation in the cable and connectivity industry. Our commitment to sustainable manufacturing practices ensures we provide unparalleled reliability in data center and high-speed communication cabling, as well as serving a wide range of demanding industrial applications. Our advanced materials offer exceptional electrical insulation, thermal stability, and resistance to chemicals and flames, empowering manufacturers to meet the ever-evolving demands of the modern connected world.

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www.nordson.com/en/divisions/efd

Booth 435

SACO AEI Polymers is a leading supplier of Wire & Cable Compounds, FR Masterbatches, Impact Modifiers and Process Aids. The markets we serve are Energy, Infrastructure, Automotive, Transit and Solar/Renewables. PEXIDAN® Moisture Cure XLPE Systems meets the requirements for Copper Insulated and Jacketed UL & CSA cable types & Fiber Optical Wire & Cable. THERMODAN® CPE and LSZH Compounds are utilized in Building Infrastructure, Transit, Petrochemical and Energy Sub Station Control. THERMODAN® LSZH Compounds conform to the flame test requirements of UL FT4, 1685, UL1666 Riser and the European CPR B2ca, Cca and Dca qualifications. EXTINTY® FR Masterbatches are utilized to improve the FR component of Wire and Cable Compounds and ARMIDAN® Impact modifiers strengthens polymer substrates

www.sacoaei.com

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Booth 301

Teknor Apex offers a full range of thermoplastic insulation, buffer, jacketing, and connector compounds for wire and cable applications—including Halguard® LS HFFR compounds that meet UL and EU CPR requirements for data & infrastructure cables; Fireguard® LS FR PVC designed for plenum applications in copper and fiber optic data cables; Flexalloy® PVC elastomers for robotics, industrial cables, EV charger cables, and flexible cords; and Apex® flexible and semi-rigid PVC for appliance wire, building wire, and control cables. Our portfolio includes one of the broadest selections of UL-Recognized wire and cable compounds in the industry. With deep expertise in fiber optic and data connectivity, a longstanding commitment to sustainability, and a growing emphasis on decarbonization, Teknor Apex is helping customers meet today's connectivity challenges while building a more sustainable future.

www.teknorapex.com

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www.en.yofc.com

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Booth 427

STL is a global leader in advanced connectivity solutions, providing end-to-end solutions for building AI-ready infrastructure, FTTx, Rural, Enterprise and Data Centre networks. With manufacturing facilities in North America, Europe and Asia, we deliver our solutions in more than 100 countries. Data Centre & Cloud companies, Telecom operators, Internet service providers and Large enterprises collaborate with STL to build their future-ready digital infrastructure. STL's business goals are driven by customer-centricity, R&D and sustainability.

https://stl.tech/en-us/

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www.daicolor.co.jp | **Booth 330**

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www.focenter.com | **Booth 304**

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www.mholland.com | **Booth 107**

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www.masterchemsolutions.com

Nabaltec

Nabaltec is a manufacturer of environmentally friendly, flame-retardant fillers and special oxides. These highly specialized products have been developed using aluminum hydroxide and aluminum oxide as a basis, and they are sold primarily for two market segments, namely "Functional Fillers" and "Specialty Alumina". To provide one example, flame-retardant fillers are used in cables and electronic devices. In case of fire they can delay its spread and suppress the development of environmentally harmful and unhealthy smokes and fumes. Special oxides are used e.g. for various machine components as well as in the refractory industry. Nabaltec manufactures at three locations: in Germany and in the USA.
www.nabaltec.de | **Booth 116**

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www.reeloptions.com | **Booth 335**

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Shresht Composites Inc. manufactures GRP/FRP composite rods for the optical fiber cable industry, serving leading customers including Corning, CommScope, Prysmian, and Superior Essex. Our US operations in Pharr, Texas and Charleston, South Carolina are supported by a maquiladora facility in Reynosa, Mexico, with production USMCA-certified for regional content — qualifying our products for Buy America (BABA) and similar domestic-preference procurement programs. We combine advanced pultrusion technology with rigorous quality control to deliver high-quality strength members critical to fiber optic cable performance at scale. As a growing supplier to North America's telecommunications infrastructure market, Shresht Composites is committed to innovation and long-term partnership with cable manufacturers.
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Wire & Cable Technology International (WCTI) is the "Official Magazine of the IWCS", and we publish several IWCS articles throughout the year as well as the annual IWCS preview article and the annual IWCS supplier exhibition directory. WCTI is a bimonthly technical magazine for manufacturers, processors, distributors and users of all types of wires, cables, wire harnesses and cable assemblies. Readers of the print and digital editions are located in more than 100 countries, and additional publications include a monthly business and market newsletter called the OVERVIEW, and the annual WCTI Buyers' Guide. **www.wiretech.com** | **Booth 226**

CCCA is a major resource for well researched, fact-based information and education on the important issues, technologies and structured cabling products impacting the current and future needs of the building network and cabling infrastructure. CCCA is proactive in supporting and participating in codes and standards bodies and other trade, industry and safety organizations, which affect the quality, performance and societal needs of the structured cabling infrastructure.

www.cccassoc.org

Connector Supplier is the only publication that focuses exclusively on interconnect solutions, including connectors, cable assemblies, sensors, and antennas. This longtime industry resource informs electronics professionals about connectivity technologies, spotlighting the products, companies, markets, trends, organizations, and personalities that shape the interconnect industry. Connector Supplier reaches more than 75,000 readers every month through its newsletter, website, and other special publications.

www.connectorsupplier.com

CRU offers unrivalled business intelligence on the global metals, mining and fertilizer industries through market analysis, price assessments, consultancy, and events. CRU Communities' core mission is to share knowledge, spark debate and facilitate networking within your community. Our knowledge of the sectors we serve, combined with our trusted market relationships, enables us to deliver valuable event programmes, driven by topical themes addressed by the thought leaders in your industry. From networking forums, to strategic conferences, CRU events are timed, located and planned to maximize business opportunities for our customers, helping them make informed decisions and connect with the right people.

www.crugroup.com/events

The Fiber Network Council APAC is dedicated to advancing the latest Fiber technologies across the Asia-Pacific region. As a member, you gain access to exclusive events, such as workshops, seminars, and the Annual Conference, where industry leaders and experts gather. Membership also provides access to insightful market studies, white papers, and technical papers on topics like FTTx, 5G, IoT, and Smart Cities. Additionally, members benefit from global alliances, significant discounts on sponsorships and event registrations, and various membership tiers tailored to commercial organizations and non-profits, enhancing opportunities for growth and success.

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www.subtelforum.com
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The Vinyl Institute (VI) is a U.S. trade association representing the leading manufacturers of vinyl, vinyl chloride monomer, vinyl additives, and modifiers. The VI works on behalf of its members to promote the benefits of the world's most versatile plastic, used to make everything from PVC piping to flooring, roofing and vinyl siding. The vinyl industry in the United States employs over 350,000 highly skilled employees at nearly 3,000 facilities and generates an economic value of $54 billion.
www.vinylinfo.org

The Vinyl Sustainability Council (VSC), founded in 2016 in partnership with the Vinyl Institute, is a council created to advance the vinyl industry's efforts in addressing sustainability. The VSC is a collaborative platform for companies, organizations and other industry stakeholders to come together to create a sustainable development path for the industry.
www.vantagevinyl.com/vinyl-sustainability-council

WCISA® Wire and Cable Industry Suppliers Association® - is a nonprofit corporate membership association of North American suppliers of machinery, materials and accessories used for making all types of wire and cable. Members are based in or have an established subsidiary in North America. WCISA's mission is to promote its member's products and services by providing its members with representation, networking/social opportunities and services at wire and cable trade events and conferences. WCISA is active in wire and cable trade events and conferences throughout the world, in varying capacities, including as an exhibitor, supporter, sponsor and outing organizer. WCISA also awards scholarships to employees and dependents of member companies as well as partner associations.
www.wcisaonline.org
Booth 226

The Wire Journal International (WJI) is the leading magazine for the wire and cable industry. Published monthly, WJI is written for executives, engineers, technical and sales professionals, and purchasing agents engaged in the manufacture of ferrous and nonferrous wire and cable; electrical wire and cable; fiber optic cable; and formed and fabricated wire products. Coverage includes management, marketing and manufacturing methods and technical developments related to production of wire and cable products, industry news, trends and events, personnel appointments, and patent updates.
wirenet.org/wire-journal-international
Booth 407

Wire & Cable Manufacturers' Alliance, Inc. (WCMA) is a non-profit corporate business association serving manufacturers of low to high voltage electrical, electronic, and fiber optic wire and cable with established manufacturing operations located in North America. Corporate membership also includes industry suppliers, service providers, affiliated companies and organizations that support the industry, also having significant North American based operations.
www.wcmainc.org

The Wire Association International is a not-for-profit association with 1,800 individual members in 50 countries. The association serves the educational needs of the wire and cable manufacturing industry through a variety of products and services. WAI manages the Interwire Trade Exposition and the WAI Operations Summit & Wire Expo and publishes the Wire Journal International and the Wire Journal International Reference Guide.
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Wire World is the global leader for information, news, events and suppliers to the wire & cable industry. Since 1995, Wire World has brought information to makers of wire and cable and provided opportunities for suppliers to connect 24/7. Press releases highlight projects, company highlights, equipment, personnel, events and more from around the globe. With thousands of users from every continent, there is a great reason to be connected to the industry with Wire World.
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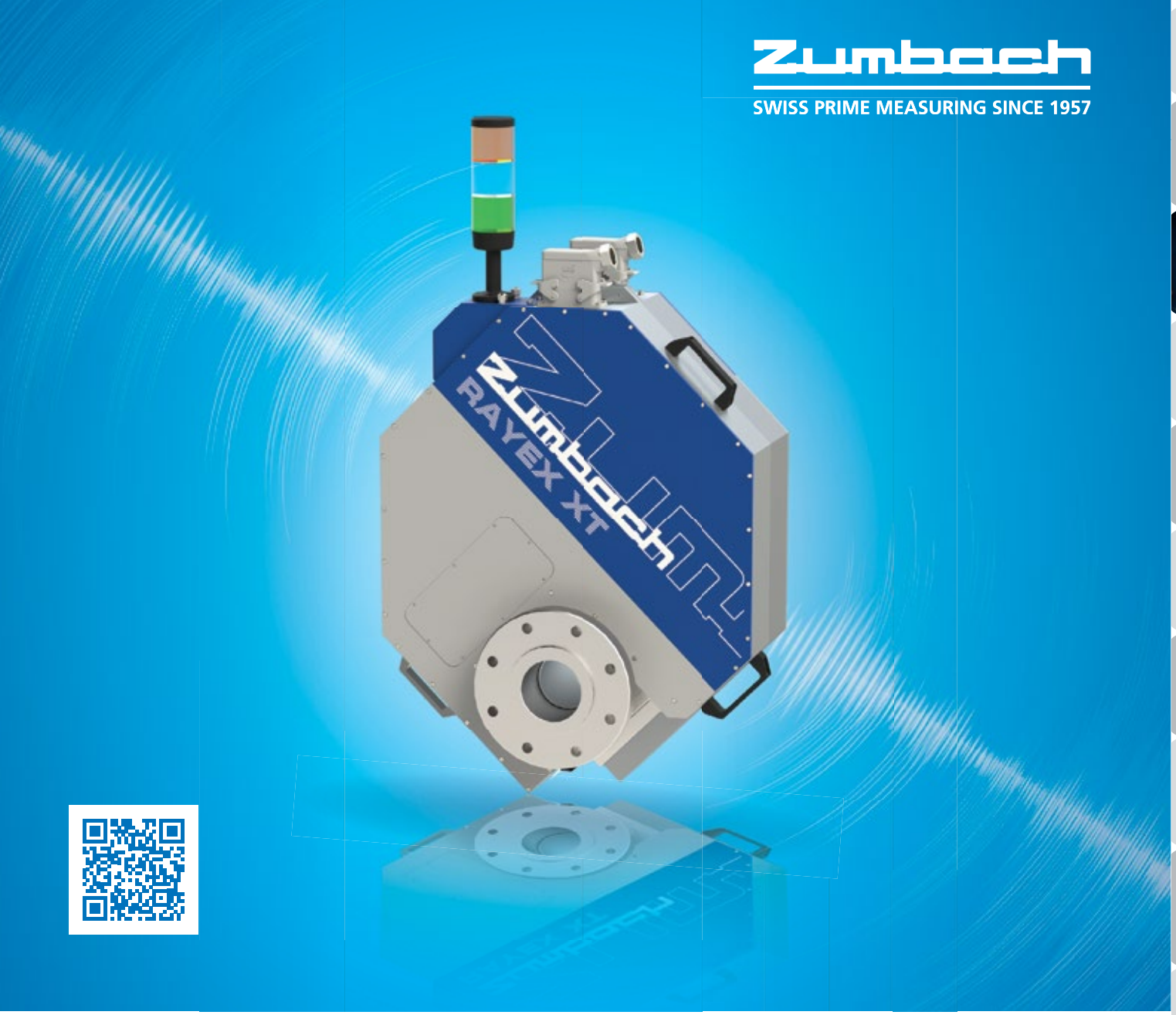
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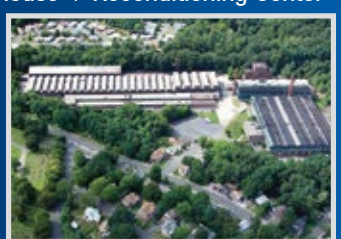
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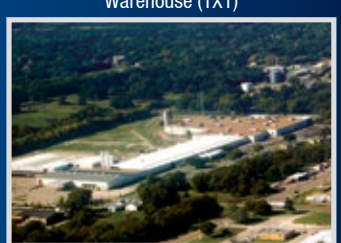
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