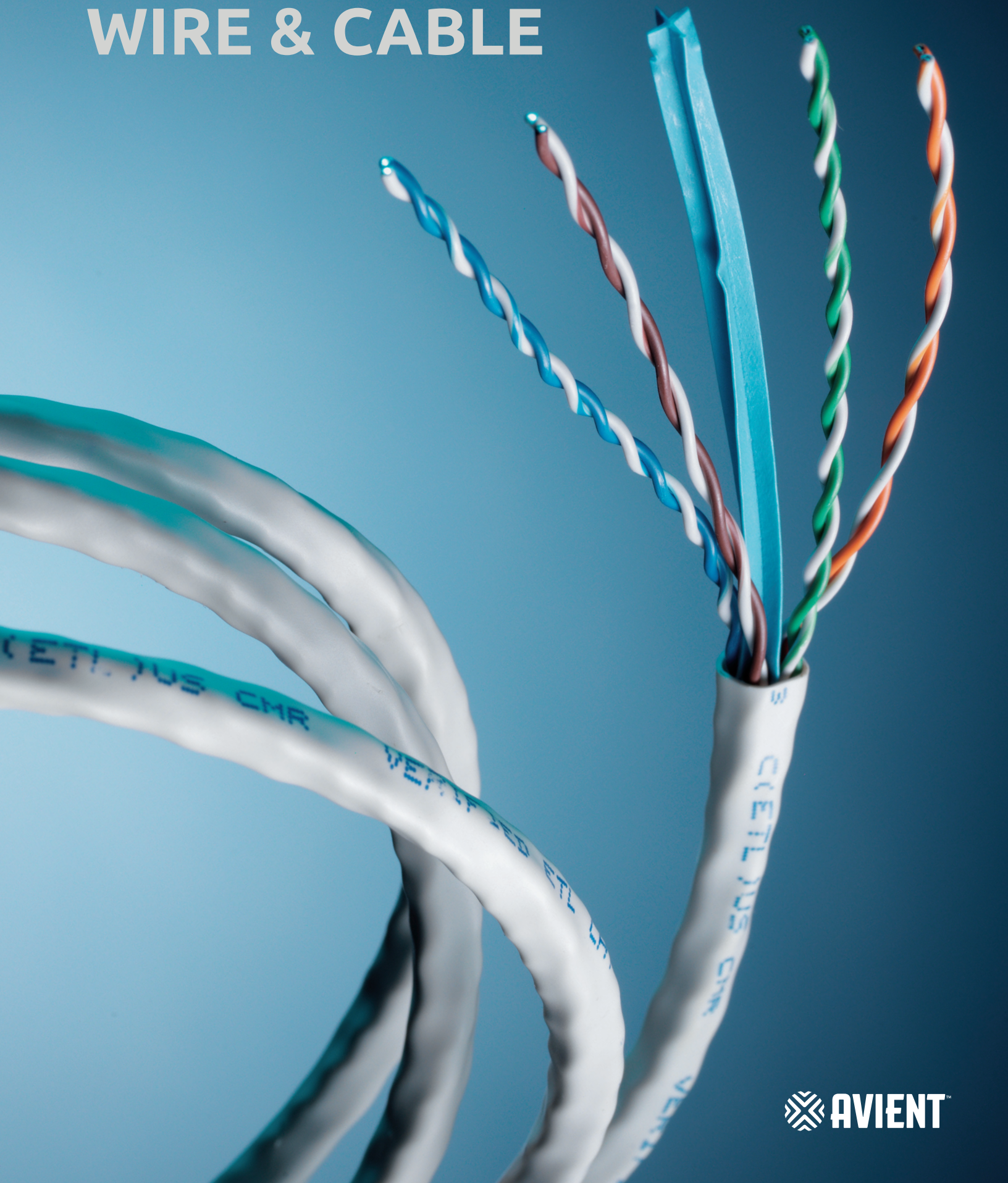
INDUSTRY BULLETIN

WIRE & CABLE



AVIENT™

ESSENTIAL CONNECTIONS

Wire and cable constructions play a vital role in our modern world, providing the infrastructure for everything from power lines and data communication to broadband networks and automotive components. To meet the stringent regulatory and application requirements of a dynamic wire & cable industry, it is vital to understand how material technologies contribute to performance, fire safety, connectivity, and durability.

At Avient, we have engineered polymers, standard and high-temperature colorants and additives, and high-performance fibers for accelerating deployment, delivering reliability, boosting function, and enhancing product protection. These customizable solutions can help lightweight cable constructions, maintain flexibility, withstand UV and harsh elements, and improve processing efficiencies.

Whether you are producing low voltage (LV), medium voltage (MV), high voltage (HV), fiber optic, photovoltaic, EV charging, or specialty aerospace cables, our global portfolio of customizable technologies and services can help you overcome today's challenges for a successful tomorrow.

POWER CABLES

DURABILITY

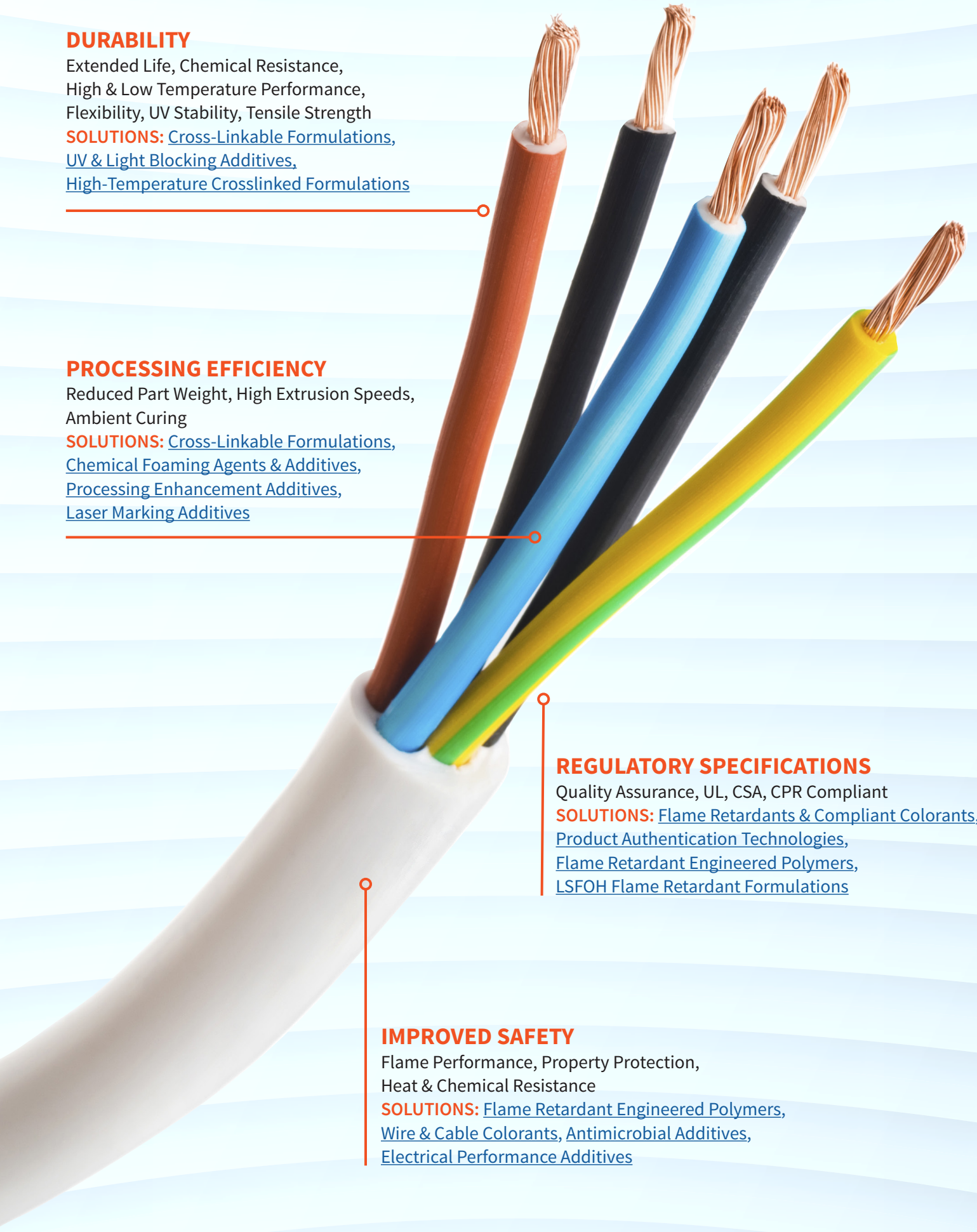
Extended Life, Chemical Resistance,
High & Low Temperature Performance,
Flexibility, UV Stability, Tensile Strength

SOLUTIONS: Cross-Linkable Formulations,
UV & Light Blocking Additives,
High-Temperature Crosslinked Formulations

PROCESSING EFFICIENCY

Reduced Part Weight, High Extrusion Speeds,
Ambient Curing

SOLUTIONS: Cross-Linkable Formulations,
Chemical Foaming Agents & Additives,
Processing Enhancement Additives,
Laser Marking Additives



REGULATORY SPECIFICATIONS

Quality Assurance, UL, CSA, CPR Compliant

SOLUTIONS: Flame Retardants & Compliant Colorants,
Product Authentication Technologies,
Flame Retardant Engineered Polymers,
LSFOH Flame Retardant Formulations

IMPROVED SAFETY

Flame Performance, Property Protection,
Heat & Chemical Resistance

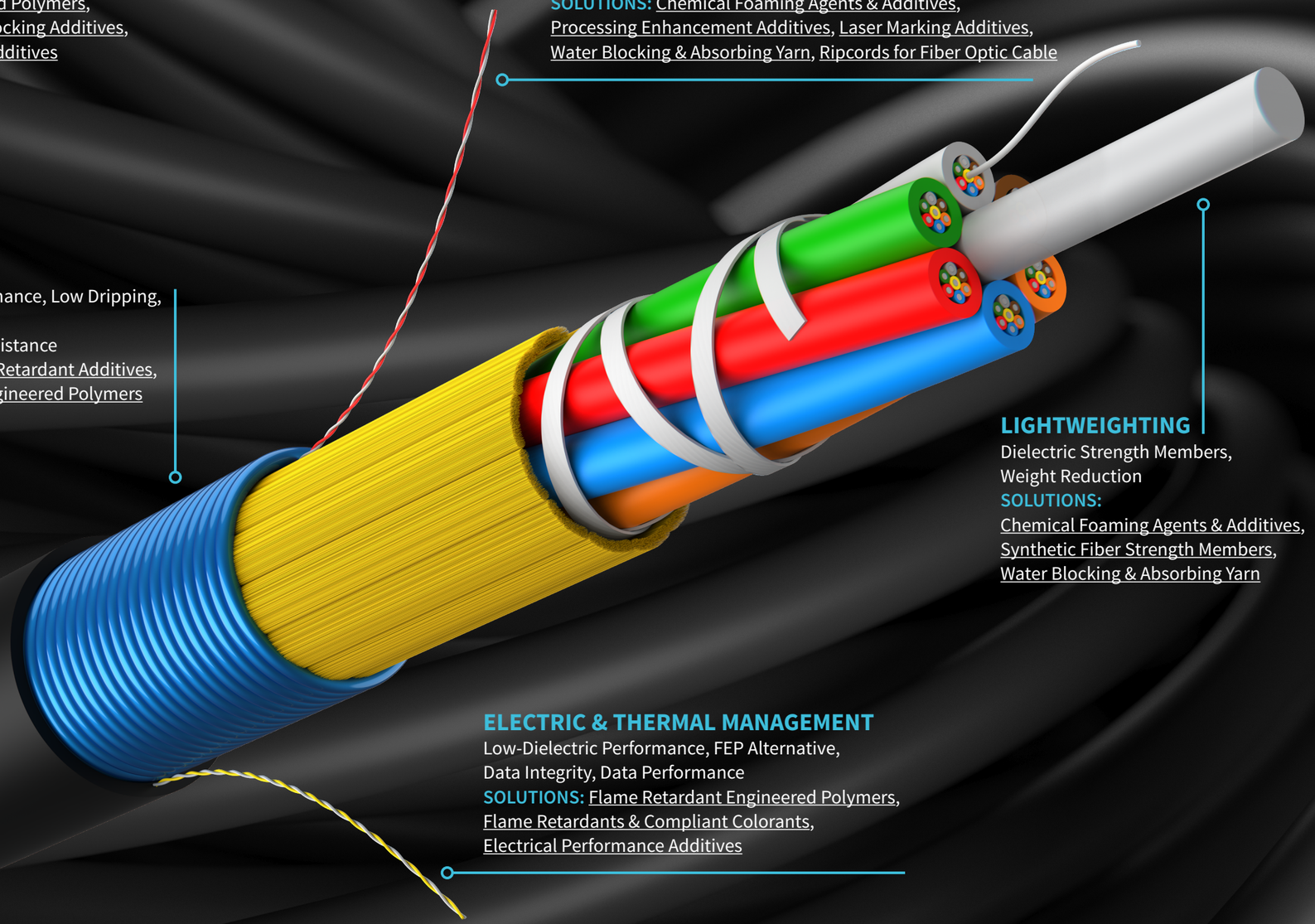
SOLUTIONS: Flame Retardant Engineered Polymers,
Wire & Cable Colorants, Antimicrobial Additives,
Electrical Performance Additives

DATA CABLES

DURABILITY & AESTHETICS
Extended Life, High Material Flexibility, Chemical Resistance, UV Stability, Tensile Strength, Laser Markable Colors
SOLUTIONS: Flame Retardant Engineered Polymers, Colorants for Wire & Cable, UV & Light Blocking Additives, Antimicrobial Additives, Laser Marking Additives

SPEED & EFFICIENCY
Faster Deployment, Lower Labor & Manufacturing Cost, High Extrusion Speeds
SOLUTIONS: Chemical Foaming Agents & Additives, Processing Enhancement Additives, Laser Marking Additives, Water Blocking & Absorbing Yarn, Ripcords for Fiber Optic Cable

FIRE SAFETY
Flame & Fire Performance, Low Dripping, Property Protection, Heat & Chemical Resistance
SOLUTIONS: Flame Retardant Additives, Flame Retardant Engineered Polymers



LIGHTWEIGHTING
Dielectric Strength Members, Weight Reduction
SOLUTIONS:
Chemical Foaming Agents & Additives, Synthetic Fiber Strength Members, Water Blocking & Absorbing Yarn

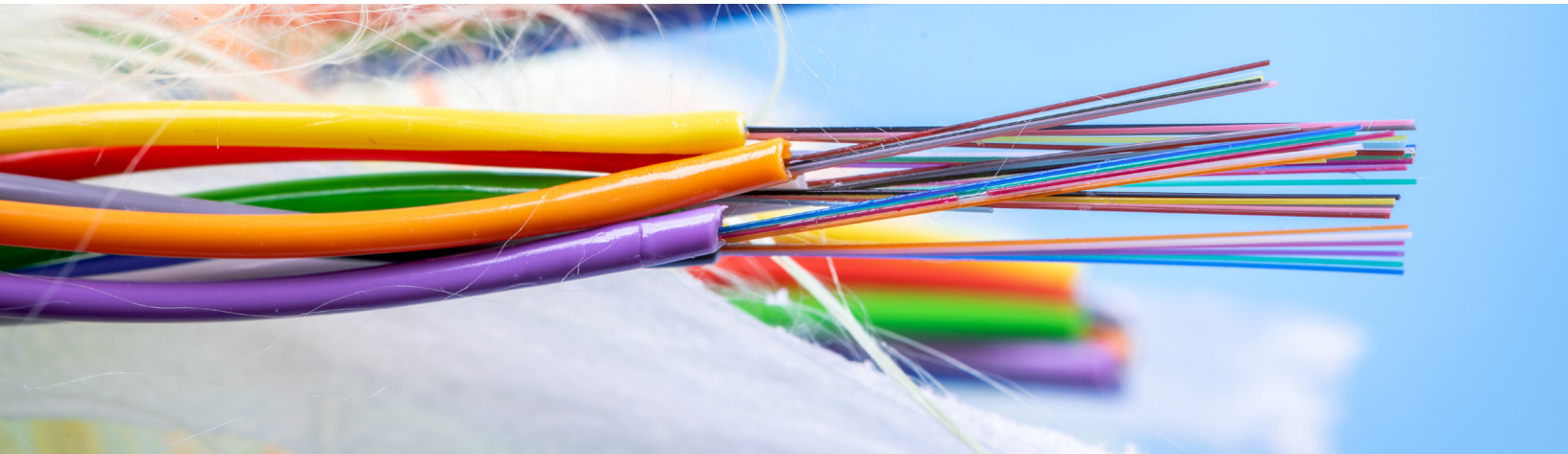
REGULATORY SPECIFICATIONS
BEAD, UL, CSA, and CPR Compliant, Quality Assurance
SOLUTIONS: Engineered Fiber Products, Flame Retardants & Compliant Colorants, Product Authentication Technologies, Flame Retardant Engineered Polymers

ELECTRIC & THERMAL MANAGEMENT
Low-Dielectric Performance, FEP Alternative, Data Integrity, Data Performance
SOLUTIONS: Flame Retardant Engineered Polymers, Flame Retardants & Compliant Colorants, Electrical Performance Additives

LOW SMOKE & FUME NON-HALOGEN (LSFOH)
High Flame Retardancy, Low Smoke, Fume, Corrosiveness & Toxicity, Smoke Mitigation
SOLUTIONS: LSFOH Flame Retardant Formulations, Non-Halogenated FR Additives

HIGH-TEMPERATURE SOLUTIONS
Pre-Colored Formulations, Laser Markable Colors, Standard & Custom Colors, Conductivity
SOLUTIONS: High-Temperature Colorants & Pre-colored Solutions, High Temperature Marking Inks, Colorants & Additives, Conductive High-Temperature Formulations

POWER CABLES	
SOLUTIONS	**AVIENT TECHNOLOGIES**
Cross-Linkable Formulations	Syncure™ XLPE Cross-linkable Polyethylene Formulations ECCOH™ XL Cross-Linkable Formulations Colorant Chromatics™ Crosslinked Formulations
UV & Light Blocking Performance	UV & Light Blocking Additives ECCOH™ LSFOH UV Formulations
Chemical Foaming Agents & Additives	Excelite™ Chemical Foaming Additives Hydrocerol™ Chemical Foaming Agents
Processing Enhancement Additives	Cesa™ Processing Additives
Laser Marking Additives	Cesa™ Laser Additives Colorant Chromatics™ UV Laser Marking Technology
Flame Retardants & Compliant Colorants	Cesa™ Flame Retardant Additives OnColor™ UL 94 Colorants
Product Authentication Technologies	Cesa™ Percept™ Authentication Technologies
Flame Retardant Engineered Polymers	Syncure™ XLPE Cross-linkable Polyethylene Formulations ECCOH™ Low Smoke and Fume Non-Halogen Formulations ECCOH™ XL Cross-Linkable Formulations
Wire & Cable Colorants	OnColor™ Colorants for Wire & Cable
Antimicrobial Additives	Cesa™ WithStand™ Antimicrobial Additives
Electrical Performance Additives	Electrical Performance Additives



DATA CABLES	
SOLUTIONS	**AVIENT TECHNOLOGIES**
Flame Retardant Engineered Polymers	ECCOH™ Low Smoke and Fume Non-Halogen Formulations Maxxam™ FR Flame Retardant Polyolefin Formulations Maxxam™ SY Foamable Flame Retardant Formulations
UV & Light Blocking Performance	UV & Light Blocking Additives ECCOH™ LSFOH UV Formulations
Chemical Foaming Agents & Additives	Excelite™ Chemical Foaming Additives Hydrocerol™ Chemical Foaming Agents
Processing Enhancement Additives	Cesa™ CTR Additives
Laser Marking Additives	Cesa™ Laser Additives Colorant Chromatics™ UV Laser Marking Technology
Ripcords for Fiber Optic Cable	Fiber-Line™ Ripcords
Water Blocking & Absorbing Yarn	Swellcoat™ Water Blocking & Absorbing Yarn
Flame Retardants & Compliant Colorants	Cesa™ Flame Retardant Additives OnColor™ UL 94 Colorants
Product Authentication Technologies	Cesa™ Percept™ Authentication Technologies
Engineered Fiber Products	Fiber-Line™ Engineered Fibers
Synthetic Fiber Strength Members	Fiber-Line™ Synthetic Fiber Strength Members
Antimicrobial Additives	Cesa™ WithStand™ Antimicrobial Additives
Colorants for Wire & Cable	OnColor™ Colorants for Wire & Cable
Electrical Performance Additives	Cesa™ Conductive Additives Cesa™ Stat Antistatic Additives
LSFOH Flame Retardant Formulations	ECCOH™ Low Smoke and Fume Non-Halogen Formulations

DATA CABLES	
SOLUTIONS	**AVIENT TECHNOLOGIES**
Non-Halogenated FR Additives	Cesa™ Flame Retardant Additives
Colorants & Additives	Smartbatch™ Combination Colorants & Additives OnColor™ Colorants for Wire & Cable
High-Temperature Colorants & Pre-Colored Solutions	Colorant Chromatics™ ECTFE/ETFE Colorants Colorant Chromatics™ FEP Colorants Colorant Chromatics™ PEEK and PEI-Siloxane (SILTEM™ resin) Colorants & Pre-colored Solutions Colorant Chromatics™ PFA/MFA Colorants Colorant Chromatics™ PVDF Colorants Colorant Chromatics™ Reinforced Formulations
High-Temperature Marking Inks	Colorant Chromatics™ Marking Inks
Conductive High-Temperature Formulations	Colorant Chromatics™ Conductive Formulations

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