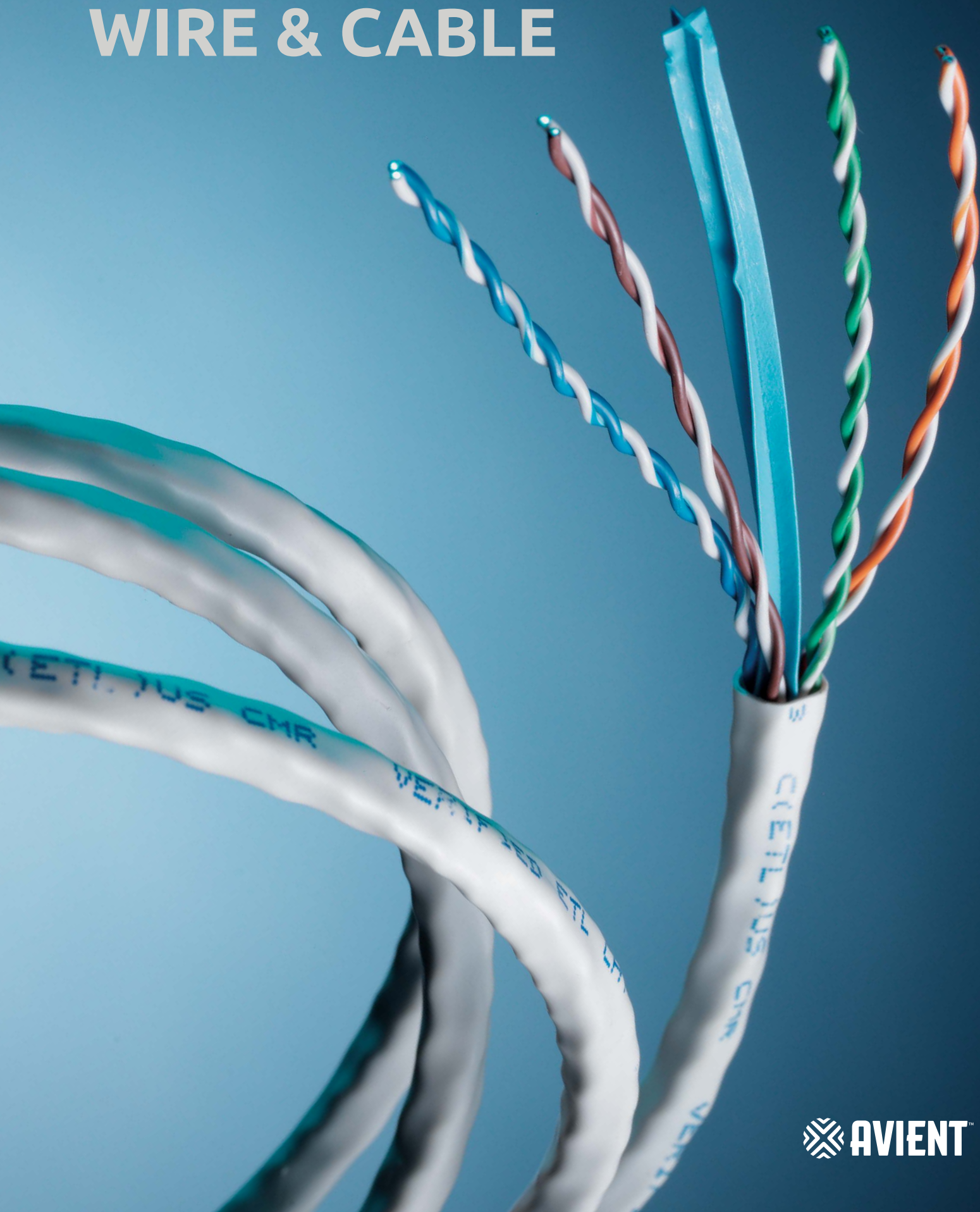


# WIRE & CABLE





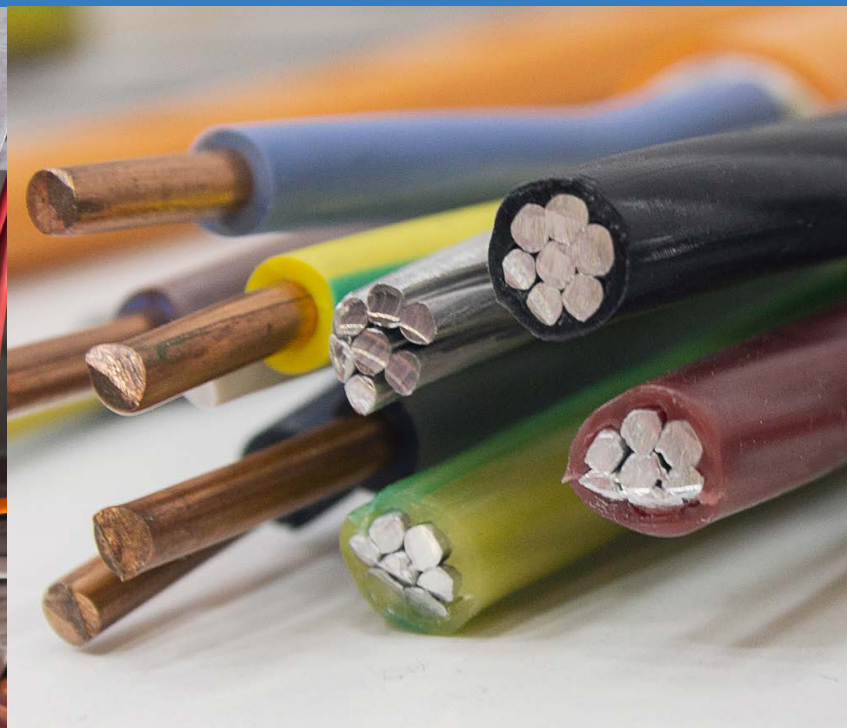
## ESSENTIAL CONNECTIONS

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

## 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

## LIGHTWEIGHTING

Dielectric Strength Members, Weight Reduction

**SOLUTIONS:** Chemical Foaming Agents & Additives, Synthetic Fiber Strength Members, Water Blocking & Absorbing Yarn

## 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)

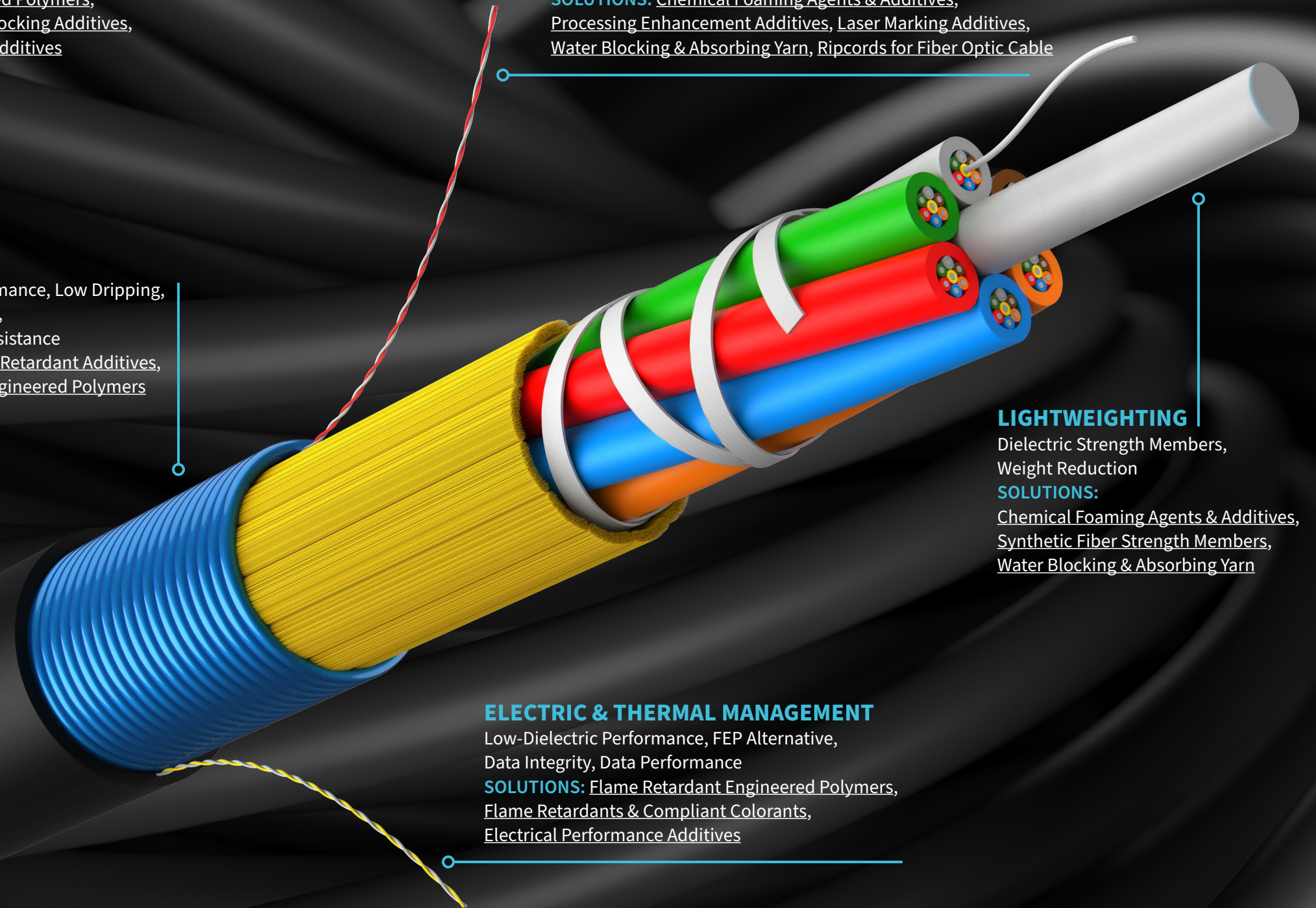
High Flame Retardancy, Low Smoke, Fume, Corrosiveness & Toxicity, Smoke Mitigation

**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

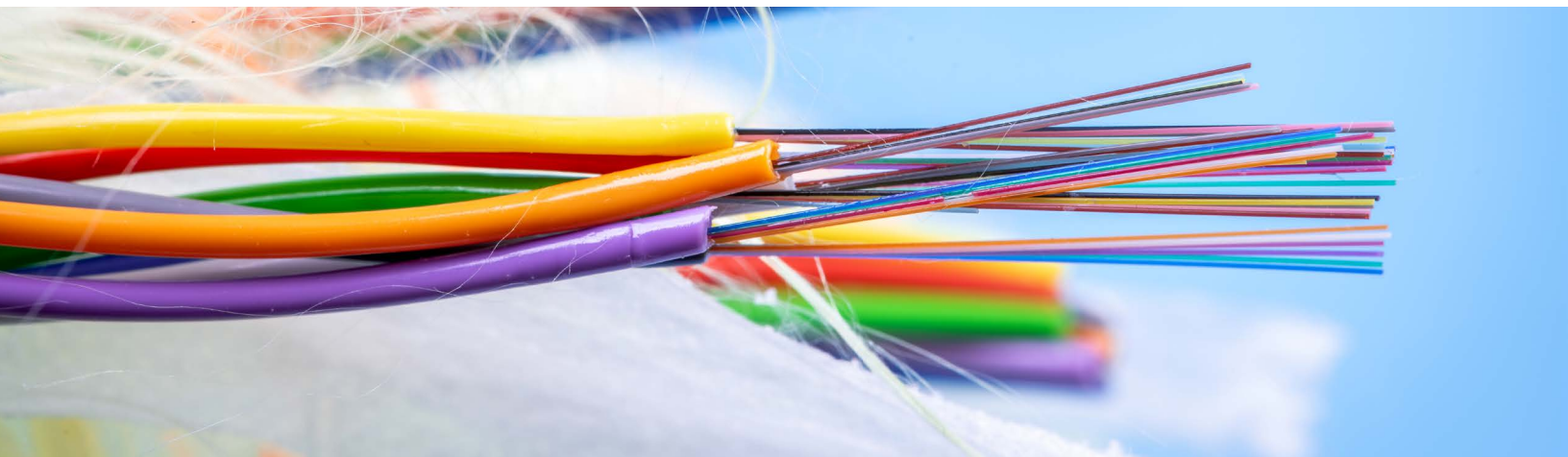


AVIENT CORPORATION



## POWER CABLES

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





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

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



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