



Empower Engineers to Solve Problems, Moving the World Forward.

AMP | AGASTAT | CII | DEUTSCH | DRI | HARTMAN | KILOVAC
MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | SEACON

The industry standard for rugged, reliable performance

As one of the world's largest suppliers of passive electronic components—including connectors and interconnect systems, relays, switches, circuit protection devices, touchscreens, sensors, and wire and cable — TE Connectivity (TE) brings advanced engineering, world-class manufacturing, and innovative thinking to help your next design go from concept to production.

As we have for over 60 years in serving the aerospace, defense, and marine industries, we put a premium on innovation when helping solve tough design problems. Talking to us early in your design cycle gives you the full benefit of our expertise. We can help you to:

- Shorten the design cycle and reduce costs
- Increase reliability
- Design for manufacturability
- Meet the demanding requirements for lighter, faster, more capable systems

In short, we help you achieve a sustainable competitive advantage in some of the toughest and most severe application environments. Over 7000 engineers, 20 global design centers, and manufacturing in 20 countries are at your service for innovation and collaborative engineering.

Solutions Engineered to Your Needs

We understand the demanding and diverse needs of aerospace, defense, and marine applications from avionics to control to passenger comfort. TE has been leading the trend of moving to application-specific value-added subsystems. These engineered solutions cut your engineering time, lower manufacturing costs, and increase reliability. And you will find that our sales and application support, logistics, and global presence help you move to production.

MULTICORE CABLES



Raychem Multicore Cables Custom Cable Designs

- Available in small order quantities
- Up to 40% smaller than comparable products
- Cost savings over hand-building point-to-point harnesses
- Ability to include data, power, and signal in the same bundle



Raychem Defense Standard 61-12 Part 25 Cables

Light Weight Marine Cables

- Low fire hazard multicore cables
- Stranded tinned copper conductor, LFH insulated Part 18 cores
- Thin wall to reduce size and weight
- Halogen-free cable jacket
- Operating temperature range: -30°C to +105°C



VG-95218 Marine Cables Alternatives to Part 61-66

- System compatibility
- Increased EMC requirements
- Reduction in weight and diameter
- Significantly increased service life
- Halogen-free cables with low fire hazard

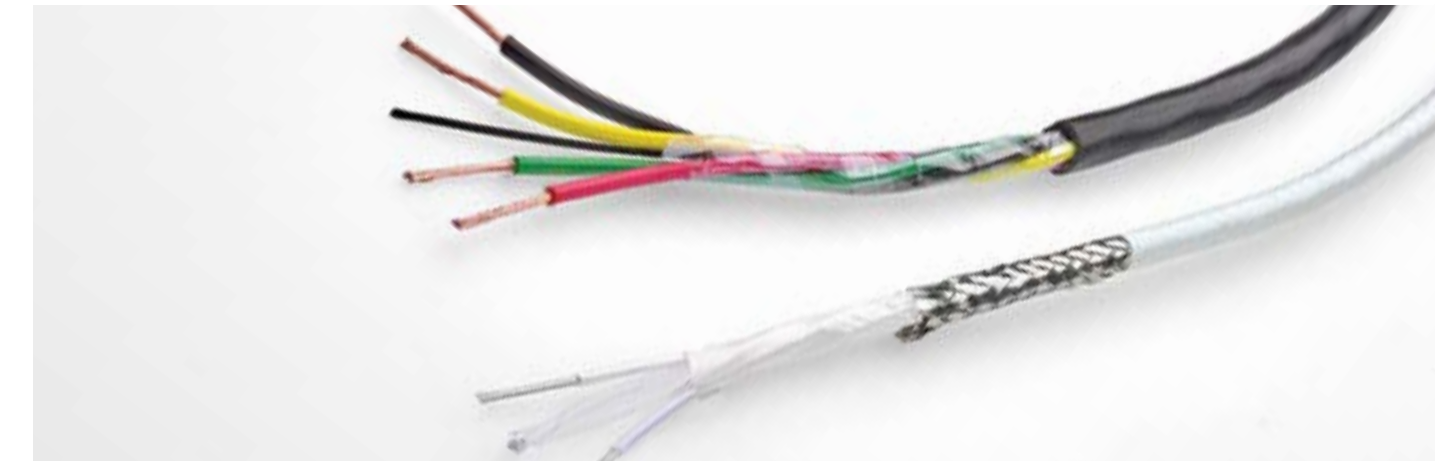
CONTROLLED IMPEDANCE CABLES



Raychem Cheminax Controlled Electrical Cables

Small Size, Light Weight

- Coax, twinax, triax, balanced line, data bus available
- Improved electrical performance over RG cables
- 25-40% smaller and lighter than RG cables
- J1939-15/11 compliant cables available
- MIL-STD-1553 cables available



CONNECT WITH US

We make it easy to connect with our experts and are ready to provide all the support you need. Visit te.com/support to chat with a Product Information Specialist.

QUALITY STARTS WITH THE RIGHT APPLICATION TOOLING

Creating a quality crimp connection is essential to delivering high performance and reliability in extreme environments. From low to high volume wire processing, TE has you covered with a full range of application tooling and a global field service team.

- [View all application tooling](#)
- [Connect with our experts to find the right tool for your application](#)

te.com/wireandcable

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WIRE AND CABLE

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WIRE AND CABLE

THE INDUSTRY STANDARD FOR RUGGED, RELIABLE PERFORMANCE

Pushing the Performance Envelope with Solutions Engineered to Your Needs

Wire and Cable

GENERAL WIRE AND CABLE



Hook-Up Wire
SPEC 44 PVDF/PE Wire and Cable
 • Dual-wall construction
 • Resistant to most solvents, fuels and lubricants
 Mil Spec version available



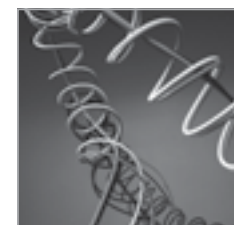
Hook-Up Wire
SPEC 55 XL-ETFE Wire and Cable
 • Excellent abrasion and cut-through resistance
 • Excellent flexibility
 • Low-fluoride and Electroloss filtering options
 Mil Spec version available



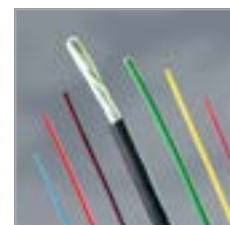
Hook-Up Wire
SPEC 55 LF Wire and Cable
Rugged
 • 5x scrape abrasion within the spec
Lightweight
 • Single thin wall primary
Low Outgassing
 • Less than 10 PPM



Electroloss Filterline Wire and Cable
SPEC 55F XL-ETFE Wire and Cable
High Performance
 • Suppresses EMI above 100 MHz
 • SPEC 55 insulation
 • Rated for continuous operation -65°C to 200°C
 • 600 V rating
 • Light weight, small size
 Mil Spec version available



Raychem 99M and 100G Cables
TYPE 99M
 • Def Stan 61-12 Part 18
 • Highly flame retardant
 • Low smoke and toxicity
Spec 100
 • Zero halogen
 • Highly flame retardant



Lightweight Marine Cables
C-Lite Cable and C-Lite Fire-Resistant Cable
Small Size, Light Weight, Robust
 • Marine approvals: DNVGL, ABS, BV, CCS, KR, NK and RMRS
 • 30% lighter than standard marine cable
 • Reduced diameter for easy routing
 • Low-fire-hazard performance

Wire and Cable

HIGH SPEED COPPER CABLES



Raychem High Speed Copper Cables
 • EMI protection
 • Increased bandwidth
 • Lightning protection
 • Reduced size and weight
 • Harness component system compatibility
 • Ruggedized to survive in harsh environments
 • Cat 5e, Cat 6a, Cat 7, 100Base-T, CANbus, IEEE 1394, USB 2.0/3.0, DVI, fiber



Raychem Cat 6a Ethernet Cable
Data Rates: 10 Gb/s Ethernet Cable
 • Excellent signal integrity at 10 Gb/s
 • Operating temperature range from -65°C to +200°C
 • Pending AS6070/6 qualification
 • Harness components and connector compatibility
 • Easier to terminate compared to tape wrapped designs



Raychem 100Base-T (or 100Mb) Ethernet Quadrap Cable
Data Rates: 100 Mb/s Ethernet Cable
 • Excellent signal integrity at 100 Mb/s
 • Smaller size and weight than Cat 5e cables
 • Pending AS6070/1 qualification
 • Harness component system compatibility



Raychem CANbus Cable
Data Rates: 1 Mb/s
 • Flexible design
 • Abrasion resistant
 • High performance, 120Ω twisted pair
 • Shielded and unshielded variations available
 • Easier to terminate when compared to tape-wrap designs
 • Designs available to SAE J1939-11 and -15 requirements



Raychem Cat 5e Ethernet Cable
Reliable 100Mb/s and 1 Gb/s Ethernet Cable
 • Waterblock capability
 • Qualified to MIL-DTL-24643
 • Pending AS6070/2 qualification
 • Harness components and connector compatibility
 • Utilization of low loss foamed dielectrics
 • Tested in accordance with ANSI/TIA-568-C.2
 • High temperature fluoropolymers offer temperature ranges from -65°C to +200°C



Raychem Cat 7 Ethernet Cable
Data Rates: 10 Gb/s Ethernet Cable
 • Excellent signal integrity at 10 Gb/s
 • Zero halogen and FDR jacket material available
 • Harness components and connector compatibility
 • Available in both 24 AWG stranded TCC and 23 AWG solid BC conductor variations



Raychem IEEE 1394 (Firewire) Cable
Data Rates: 100 Mb/s to 3.2 Gb/s
 • JSFY18 approved
 • Easier routing in confined spaces
 • Smaller cable bundles for improved installation
 • Double braid to achieve excellent signal integrity
 • Tough, high-temperature FEP insulation and jacket



Single Pair Ethernet (SPE)
Fast
 • Qualified on 100 Mb/s with future provision for 1 Gb/s
Easy
 • Single pair ethernet technology reduces termination time by up to 50% over existing installation solutions

Wire and Cable

HIGH SPEED COPPER CABLES



Raychem DVI Cable
Data Rate: 3.96 Gb/s to 7.92 Gb/s
 • Custom designs available
 • HD video coaxial cables
 • Primarily used for video displays and uni-directional data transfer



Raychem USB Cable
Data Rate: Up to 480 Mb/s (USB 2.0) and 5 Gb/s (USB 3.0)
 • USB 2.0 and USB 3.0 available
 • Flexible design
 • Abrasion resistant
 • Custom designs available
 • Designs available with operating temperature range: -65°C to +200°C



Raychem SHF-260 Power Cable
Flexible High Temperature Power Feeder
 • Operating temperature range: -65° to +260°C (10k hours)
 • Operating temperature range: -65° to +290°C (500 hours)
 • Voltage rating: 1000V
 • Tight routing bends without jacket wrinkling or cracking
 • Conductors available in nickel coated copper
 • Gauge availability: 24 to 4/0 AWG



Raychem Spec 80 FlexLine Wire and Cable
Flexible Light Weight Hookup Wire to Power Feeders
 • Operating temperature range: -65° to +200°C
 • Voltage rating: 600V
 • Single and dual wall constructions
 • Conductors available in tin, silver and nickel coated copper
 • Conductors available in aluminum
 • Gauge availability: 28 to 4/0 AWG



Fiber Cable
Designs Available for Harsh Military and Aerospace Environments
 • Meets requirements of BMS 13-71
 • Meets requirements of ARINC 802
 • Meets requirements of Def Stan 61-12 Part 31
 • TE connector compatibility
 • Designs available for shipboard marine cable using multimode and single mode fiber



Raychem USB 3.1 Cable
Capable
 • Provides power for USB 3.1 while still providing legacy USB 2.0 support
 • Double the bandwidth of USB 3.0
Easy
 • Use of an extruded component and jacket reduces termination time when compared to solutions using tape wrap construction

POWER CABLES



Raychem HI-FLEX Power Cable
FDR25S
 • Diesel fuel resistant
 • Tight routing bends without jacket wrinkling or cracking
 • Very flexible with tight bend radius (3x static, 6x dynamic)
 • Gauge availability: 16 to 4/0 AWG
 • Available colors: orange, red, black
 • Braided jacketed cables available
ZHENS
 • Zero halogen, low smoke
 • Tight routing bends without jacket wrinkling or cracking
 • Flexible with tight bend radius (4x static, 8x dynamic)
 • Gauge availability: 8 to 4/0 AWG
 • Dual wall construction