



Wire and Cable

Raychem High Performance Wire and Cable26-2 to 26-4

Madison Cable Products26-5 to 26-7

Reference the following cables in Section 15 of this catalog:

Premises Networking Cable (Fiber Optic)15-2

Premises Networking Cable (Copper)15-3

For more information on these Tyco Electronics products, visit the following website:

<http://www.tycoelectronics.com/products/wireandcable>



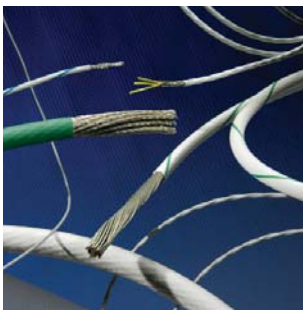
SPEC 55 Wire and Cable

- Cross-linked modified EFTE
- Temperature capability: -65°C to 200°C rated
- Tough dual wall or single wall cross-linked insulations
- Small size lightweight
- Excellent chemical resistance
- Specifications: Raychem Specification 55, NEMA-WC-27500, SAE AS22759/32 through /35 and AS22759/41 through /46
- Tin, silver or nickel plate conductors
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



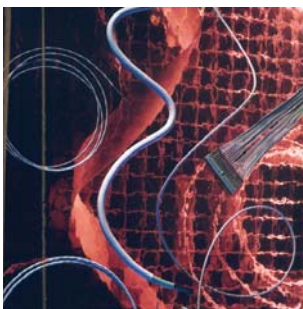
SPEC 44 Wire and Cable

- Wire and cable constructions with outstanding physical and electrical characteristics
- Temperature rating for continuous operation: -65°C to 150°C
- 600, 1000, and 2500 voltage rating depending on wall thickness
- Dual wall construction, highly flame retarded, cross-linked, non-melting insulation
- Suitable for commercial and military electronics such as avionics, satellites, ships, trains, and other applications where environmental conditions demand consistently reliable performance
- Custom designed wire and cable constructions are available
- Specifications: Raychem Specification 44, MIL-W-81044 (primary wire), NEMA-WC-27500 (cables)
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



FlexLine (SPEC 80) Wire and Cable

- Highly flexible, small size, lightweight
- Cross-linked modified EFTE
- Temperature capability: -65°C to 200°C rated
- Tough dual wall or single wall cross-linked insulations
- Compliance with FAR 25 flammability requirements
- Resistance to harsh fluids & solvents per MIL-W-22759
- Optional high strand count for increased flexibility
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



RCW Wire and Cable

- TKT tape wrapped product
- Temperature capability: -100°C to 260°C rated
- Excellent cut through resistance at rated temperature
- Excellent chemical resistance
- Specifications: SAE AS22759/80 through /92, NEMA-WC-27500
- Silver or nickel plate conductors
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



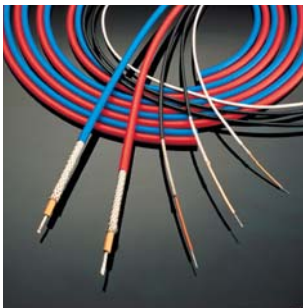
Zerohal Wire & Cable

- Temperature capability: -55°C to 125°C rated
- 600V rating
- Dual wall insulation system
- Highly flame retarded – Halogen Free
- Flexible, tough and easy to install
- Small size, lightweight
- Low smoke generation, low evolution of toxic fumes and low corrosive by-products
- Order Catalog 1654025, “Raychem Wire and Cable, Harnessing and Protection Products”



Multiconductor (Multicore) Cables

- Temperature capability: -55°C to 200°C rated
- Small size, lightweight
- Specially formulated jacket materials
- System compatibility with other Raychem products
- Optimized Shielding to address EMI/EMC problems
- Custom designs tailored to suit unique applications
- Fast response – design, pricing, and delivery
- Order Catalog 1654025, “Raychem Wire and Cable, Harnessing and Protection Products”



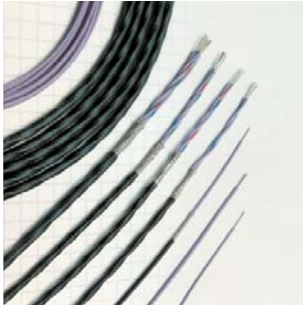
Cheminax Coaxial Cables

- Lightweight, small size
- Temperature capability: -65°C to 200°C rated
- Low capacitance and attenuation
- High flexibility
- Optimized shielding to address EMI/EMC problems
- Specially formulated jacket and dielectric materials
- Order Catalog 1654025, “Raychem Wire and Cable, Harnessing and Protection Products”



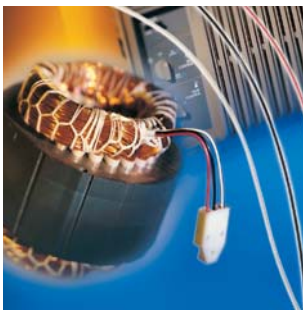
Cheminax Twinaxial Cables

- Lightweight, small size
- Temperature capability: -65°C to 200°C rated
- Designed for use in MIL-STD-1553 type applications
- Optimized shielding to address EMI/EMC problems
- Specially formulated jacket and dielectric materials
- Order Catalog 1654025, “Raychem Wire and Cable, Harnessing and Protection Products”



ElectroLoss Filterline Wire and Cable

- Reduces effects of high-frequency EMI interference
- Suppresses EMI above 100 MHz
- Specification 55 insulation
- 600V rating
- Temperature capability: -65°C to 200°C rated
- Lightweight, small size
- Specifications: MIL-C-85485/5 through /12
- Fits Standard Military Pin Connectors
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



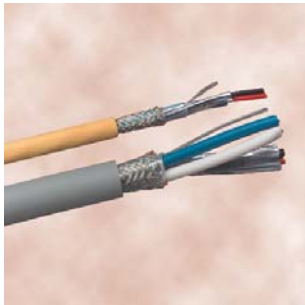
FlexLite Commercial Wire Family

- Commercial wires for industrial applications
- Temperature capability: 125°C to 250°C UL rated
- 600 to 1000 Volts
- Flexible, tough, thin walls with excellent shop handling characteristics
- Suitable for appliances, electronics and electrical equipment that require small, lightweight wire and cables
- Some insulations are cross-linked providing a non-melting feature
- Standard conductors are stranded, tin-plated and nickel-plated copper
- Compatible with typical automated stripping and termination equipment
- Available in a variety of gauges and colors
- Specifications: Raychem WCD 3106, UL and CSA rated wires
- Order Catalog 1654025, "Raychem Wire and Cable, Harnessing and Protection Products"



High Performance Cable for Computing and Mass Storage

- Cables in this series comply with all current worldwide environmental demands including ELV, Proposition 65, WEEE, and RoHS
- Includes cables designed for SCSI, IPI, HiPPI, PCMCIA, Infiniband, USB, as well as other ANSI Standards
- High speed capabilities to beyond 4 Gbit/sec
- Tightly controlled electrical characteristics
- Universal SCSI products can be used interchangeability for all SCSI applications including Fast 5, Fast 10, Fast 20, Fast 40, Fast 80, Fast 160, and Fast 320
- Order Catalog 1654194, “Madison Cable”



Telecommunications Cable

Madison Cable DS3 Cable

- Standard Type 735 and Type 734 constructions
- Enhanced products available to meet increased performance specifications
- Flexible and mini-DS3 versions (30 AWG) to facilitate easier routing in patch panels or difficult installations
- Available with Telcordia (Bellcore), Riser-rated, and Plenum-rated approvals
- Order Catalog 1654194, “Madison Cable”

Madison Cable T1/E1 Cable

- Standard ANSI T1.102 compliant designs
- Shielded or unshielded
- Extended-distance, flexible, and miniaturized versions available
- Riser, Plenum, RoHS, and non-halogen approvals
- Order Catalog 1654194, “Madison Cable”

Madison Cable Universal Telecom Cable

- Shielded Broadband cables for ADSL, VDSL, VDSL2
- Interconnection for DSLAM’s access node, Central Office, Enterprise Networks
- Surpasses ANSI T1.102 T1/E1 and Telcordia (Bellcore) specifications
- Available in 2 to 100 pair, 30 AWG to 22 AWG, STP or UTP configurations
- Order Catalog 1654194, “Madison Cable”

Madison Cable 10Gbase-CX4 Cable

- Standard “Infiniband” or enhanced CX4-specific designs
- 30-24 AWG
- 15 meter 26 AWG CX4 available
- 4 pair unidirectional XAUI or 8 pair CX4 versions
- Order Catalog 1654194, “Madison Cable”



Serial Communication Cable

- Conform to all applicable EIA standards
- Designed to be used in RS-232, RS-422, ITU-T V.35/X.21, and RS-423 applications
- Multi-conductor or multi-pair
- Shielded and unshielded
- Used in printers, modems, general instrumentation, or other computer interfaces
- Low- or mid-capacitance cables are designed to be used in extended distance transmissions
- Plenum and non-plenum designs available
- Order Catalog 1654194, "Madison Cable"

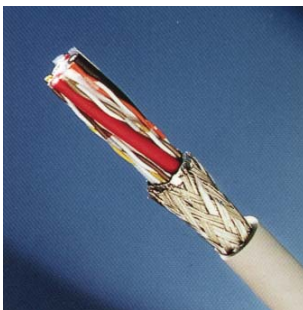
Video Cable

- Available in both plenum and non-plenum designs
- High flex compounds used for ease of routing and termination
- All components color-coded for ease of termination
- Available for both analog and digital video applications
- Products support S-Video, RGB, RGBHV, RGSB, VGA, SVGA, and UXGA
- Designs support long-distance DVI and HDMI for resolutions up to HDTV
- Products meet most environmental safety requirements including RoHS
- Order Catalog 1654194, "Madison Cable"



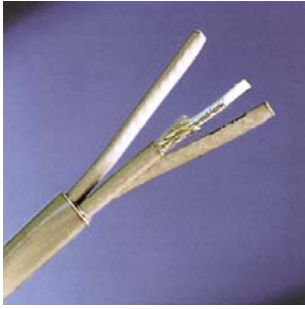
Industrial Cable

- Provide connections between industrial devices (sensors) and higher-level devices (controllers)
- DeviceNet, Flat Media, Tray, Energy Related Control, Industrial Ethernet, Transit and Traffic Control cable styles for specific applications
- Continuous flex and stationary motor control and power cables for motor drive applications utilize proprietary compounds for use in controlled and harsh environments
- High flexibility, high strand count cables, designed to be used in PLTC, MTW, and TC approved applications
- Order Catalog 1654194, "Madison Cable"



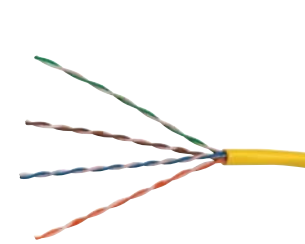
Medical Cable

- Wide range of cables for non-invasive medical applications
- Various custom designs for different applications including medical imaging, handset devices, and monitoring systems
- Designs include products for use in installation environments
- All products constructed with medical grade compounds that meet most environmental safety requirements
- Order Catalog 1654194, "Madison Cable"



Coaxial Cable

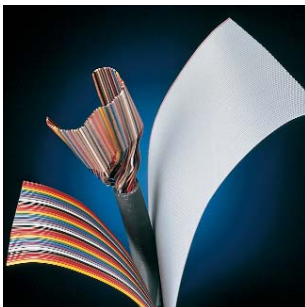
- RG-Type, Cheminax, Ethernet and Twin-Ax cables
- High-quality, low-loss RG-Type coaxial products
- Standard impedance values of 50, 75 and 93 ohms
- Miniature and standard O.D. constructions
- Compatible with industry standard connectors
- Plenum and non-plenum designs available
- Order Catalog 1654194, "Madison Cable"



Premise Cable

- UTP cable (plenum and non-plenum) with Category 5E performance specifications to >100 MHz
- UTP cable (plenum and non-plenum) with Category 6 performance specifications to >250 MHz
- UL and cUL listed
- Order Catalog 1654194, "Madison Cable"

NOTE: Refer to Section 16 for additional Premise Cables



Standard Flat Ribbon Cable

- 0.63mm (.025"), 1.00mm (.039"), 1.27mm (.050"), 2.54mm (.100") and 3.96mm (.156") centerlines available
- Available in a variety of conductor widths up to 100 positions, depending on the centerline spacing, allowing installation in a wide variety of applications
- Compatible with all mass termination equipment eliminating the need for cable-specific tooling and machinery
- Lead/heavy metal free materials allow RoHS compliance
- All products manufactured under tightly controlled tolerances providing reliable terminations
- Order Catalog 1654194, "Madison Cable"

High Flexibility Cable

- Double-shielded multi-pair cable, braid-shielded multi-pair cable, and unshielded multi-pair cable types
- Multi-purpose, multi-pair, highly flexible cables suitable for a variety of applications including communications, computer, and miscellaneous low voltage requirements
- Order Catalog 1654194, "Madison Cable"

