















www.automationdirect.com/pricelist

www.automationdirect.com/support

www.automationdirect.com/videos

www.automationdirect.com/documentation

www.automationdirect.com/cad















▼AUTOMATIONDIRECT

Cord Grips

Cord grips are used to control a cable's bend radius and prevent a power outage, system malfunction, or unplanned equipment downtime due to a cable pulling away and accidentally becoming disconnected. Cord

grips also add extra support that helps prevent unwanted stress and wear on installed cables and connections that may result in loss of signal, power and/or time.

Bryant® Deluxe Cord Strain Relief Grips

Deluxe cord strain relief grips are liquid-, oil- and dust-tight and are used for crane hoists, food and beverage processing equipment, pendant drop stations, and other indoor, outdoor or washdown applications. Deluxe cords prevent cable/cord pullout at the point of termination and are often used together with bus drop support grips and safety springs for overall cord support and strain relief.

- Double to single weave variable mesh
- · Corrosion-resistant stainless steel mesh that also adds strength
- Neoprene water-, dust- and oil-tight seal
- · Aluminum fitting

- Mesh flexibility for easy installation
- Lock nuts and bushing not included
- UL and CSA certified
- Types 1/4/4X/6/6P/3/3X/3S/3SX/5/12K/13



Bryant® Dust-Tight Strain Relief Grips

Dust-tight grips serve the same purpose as deluxe cord strain relief grips but only provide a dust-tight connection. These are commonly used for indoor bus drop systems, motor connections, panel boards, and internal machine and electrical cabinets.

- Single weave variable mesh
- Galvanized steel mesh
- Insulating bushing
- · One-piece design
- Steel lock nut and threaded fitting and bushing included
- UL and CSA certified
- •Type 1/3/3X/3S/3SX/5/12K/13

Bryant® Support Grips

Support grips, also called eye grips or suspension grips, are commonly used for indoor or outdoor cable runs to provide support of the dead weight from suspended cables, cords, and hoses, while preventing breakage or stress damage. Support grips are commonly used for elevator shafts, utility poles, and for strain relief of air and water hoses.

- Closed grips with U eye
- Single weave variable mesh
- Non-magnetic tin-coated bronze grips minimize hysteresis and heat build-up

Wire Management

- Uniform gripping power
- Strand equalizers for equal loading
- CSA certified



Cord Grips



Bryant® Bus Drop Support Grips

Bus drop grips are used for indoor light-duty support of dead weight from flexible cable drops on electrical connections. These grips are used to reduce strain, pull, vibration, and flexing. This grip can also be used with safety springs to reduce tension, prevent pullouts, electrical accidents, and downtime.

- · Single eye with single variable weave
- · Galvanized steel for additional holding power in abrasive environments
- Strand equalizers position wires for equal loading
- UL and CSA certified



Bryant® Pulling Grips

Pulling grips are light industrial reusable tools used for pulling electrical cable or wire during industrial plant wiring and re-wiring. These grips protect cables and wires from abrasion and ease them through bends and rough surfaces. They can also be used for temporary splice when replacing old cables and to pull slack.

- · Available as light duty low tension for ranges from 0.75 to 1.74 inches
- · Also available as junior low tension for ranges of 0.25 to 1.24 inches
- · Single weave variable mesh for easy install
- High-strength galvanized steel mesh grip
- Reusable
- · Easily mates with swivel and link type connections
- Flexible eye

Bryant® Cord Grip Accessories

www.automationdirect.com/wiring-solutions

Cord grip accessories include 40 and 80lb tension springs in 3/4" or 1" diameters, used with bus drop support grips to help reduce tension and prevent pullouts.



▼AUTOMATIONDIRECT®

SapiSelco

Cable Ties

Cable ties provide a quick and economical way to purpose cable ties satisfy most common applications; secure cables/wires as a group or to a surface. General special-purpose types are helpful for non-typical needs.



SapiSelco® General Purpose Nylon Cable Ties

General purpose Nylon 6.6 cable ties are slotted and held in place by an elastic tooth that locks against a rack. The tail of the strap is pulled through the head to form a noose that can only be tightened.

- Resistant to solvents and reagents, oil, gasoline, and hydrocarbons when used in low temperatures, low concentrations, and for short periods of time
- UL 94: V2 self-extinguishing black or white nylon
- Halogen-free
- Not resistant to mineral acids and oxidizing agents
- Designed for indoor applications
- Rounded edges to avoid cable damage

SapiSelco® General Purpose Colored Nylon Cable Ties

These general purpose colored Nylon 6.6 cable ties are the same as the above cable ties, but are available in colors such as red, blue, green, and yellow.



SapiSelco® Cable Tie Assortment Kits

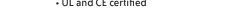
The bucket assortment kits are designed with professionals and do-it-yourselfers in mind. These kits consist of a practical reusable bucket, containing either 1,200 or 800 pieces, in black and natural; or an 800-piece bucket with colored assortment of Nylon cable ties.



SapiSelco® Nylon Cable Ties with Stainless Steel Tooth

These cable ties have a hardened stainless steel tooth that ensures extremely high mechanical strength and optimal resistance to corrosion. The rack has a single central raised section that locks the tooth, guaranteeing maximum strength while at the same time enabling smoother insertion through the steel tooth, reducing the required insertion force.

- UL 94: V2 self-extinguishing nylon
- Designed for indoor applications
- Rounded edges to avoid cable damage
- UL and CE certified



SapiSelco® Nylon UV Resistant Cable Ties

Nylon UV resistant cable ties can resist exposure to sun and ultraviolet rays and endure the harsh conditions of outdoor applications for up to 10 years.

- UL 94: V2 self-extinguishing nylon
- Rounded edges to avoid cable damage
- Designed for indoor applications
- · CE certified

SapiSelco® Metal Detector Readable Nylon Cable Ties

Metal detector readable cable ties are made with a special polyamide with metal powder additive that makes them sensitive to electromagnetic fields, making them ideal for food, pharmaceutical and chemical industries.

- Made for applications requiring metal detection • UL 94: V2 self-extinguishing nylon
- Designed for indoor applications
- Rounded edges to avoid cable damage
- CE certified



SapiSelco[®] Nylon Releasable Tab Cable Ties

Releasable tab cable ties have a tongue that locks the cable tie in place but allows for the cable tie to be released and reused by simply pressing the release tab.

- Made for temporary cabling
- UL 94: V2 self-extinguishing nylon
- Designed for indoor applications
- Rounded edges to avoid cable damage
- CE certified

Cable Ties

SapiSelco® Nylon Lashing Cable Ties

Nylon lashing cable ties have a second slot above the head to insert the leftover tail remaining after installation, eliminating the need to cut the excess.

- UL 94: V2 self-extinguishing nylon
- Rounded edges to avoid cable damage
- · Suitable for indoor applications
- CE certified

SapiSelco® Screw Mount Cable Ties

Screw mount cable ties are designed with an eyelet that allows tying cable bundles onto even sharp-edged supports, using rivets or screws [not included] inserted through the eyelet.

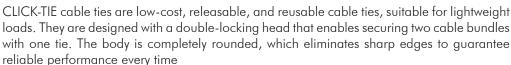
- UL 94: V2 self-extinguishing nylon
- •Rounded edges to avoid cable damage
- Suitable for indoor applications
- CE certified

SapiSelco® Low Temperature Cable Ties

Low temperature cable ties are made of black UV-stabilized nylon that is resistant to low temperatures and suitable for outdoor applications.

- UL 94: V2 self-extinguishing nylon
- CE certified
- · Rounded edges to avoid cable damage





- UL 94: V2 self-extinguishing nylon
- Rounded edges to avoid cable damage
- Suitable for outdoor applications
- CE certified

SapiSelco® Nylon Identification Cable Ties

Nylon identification cable ties are designed with a built-in horizontal or vertical identification tag that allows writing with a permanent marker.

- UL 94: V2 self-extinguishing nylon
- Rounded edges to avoid cable damage
- · Designed for indoor applications
- UL and CE certified

SapiSelco® Double-Headed Cable Ties

Double-headed cable ties are made from a softer thermoplastic that makes them more flexible and the double-headed design provides a more secure fastening.

- UL 94: HB self-extinguishing nylon
- Rounded edges to avoid cable damage
- Designed for outdoor applications
- · CE certified

Cable Tie Cutting Tools

Cutters with a special angle enable clean cuts of ties to sizes between 2.5 and 12.5 mm in width, leaving the wired electric cables intact. The cutter can also be used for cutting cables.





Collar Fastening Metal Pliers

These pliers make it easier to tighten and cut double-headed cable ties, leaving a short length of tail close to the head, for use with up to 9mm wide cable ties.

Cable Tie Gun Installation Tool

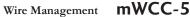
www.automationdirect.com/wiring-solutions

This cable tie gun helps adjust the preload and then cut the remaining cable tie tail





This Nylon square base has slots that allow a cable tie to be mounted and secured.





VAUTOMATIONDIRECT[§]

Industrial Labeling



UV resistance are required. Industrial labeling machines format safety labels, and more.

Label making tools create labels used in industrial and can print using continuous tape, pre-sized labels, commercial applications where moisture, chemical, and heat-shrink tubes, wire and cable wrap labels, small

Portable Label Printers

Epson LabelWorks PX series portable thermal label printers create professional labels, self-laminating wire wraps, wire and cable markers, general identification labels, and bar codes on a variety of materials such as magnetic tape, heat shrink tubing, and super strong adhesive tape. Products include:

- Low-cost LW-PX300 label printer creates labels up to 18mm [3/4 in] wide
- Bluetooth compatible LW-PX400 printer prints labels up to 24mm [1in] wide
- LW-PX700 printer offers time- and cost-saving features for creating labels up to 24mm [1in] wide
- LW-PX900 printer features a high-speed 360dpi print output that creates highly visible and detailed labels up to 36mm [1-1/2 in] wide
- · All printers come with a lifetime warranty

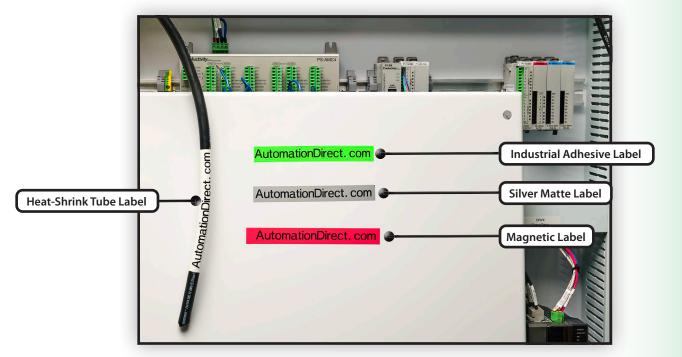
Label Cartridges

Epson LabelWorks label cartridges house labels and printing tape and are available in a variety of sizes and types, including:

- Standard labels for general-purpose applications
- Bold industrial adhesive labels for announcements, warnings, and statements
- · Strong adhesive labels for secure bonding
- Easily removable adhesive labels
- Extra-tough labels for extreme operating temperatures
- Silver matte labels for a professional finish

- Self-lamination wire wrap labels
- Heat-shrink tube wire and cable labels
- Reusable and movable magnetic labels
- Metallic labels for nameplate-like
- Printable ribbon labels for cable flags and tool identification
- Craft paper tape for packaging and small business labeling





Plugs, Connectors, and Receptacles

Bryant® Locking Electrical Plugs, Connectors and Receptacles

Bryant locking or lock-twist electrical plugs and connectors have a tough impactand chemical-resistant nylon housing with a double-wall construction. The locking plugs are designed to work together with either a Bryant locking connector or receptacle. The plugs and female connections have a curved feature that allows the twist-lock action of the connections.

The locking receptacles consist of a single receptacle designed to connect and lock with Bryant locking plugs. These single receptacles feature a combination of back and side wiring terminals for convenient wiring.

- Internal Triple-Gripper ® cord clamp with unique "radius teeth" design automatically centers and secures the cord
- Double-wall construction plugs and connectors
- Combination Phillips/slotted captive terminal screws

For the latest prices, please check AutomationDirect.com.

- Plugs/connectors have a transparent terminal cover with clear window and teardrop wiring pockets to ease insertion of stranded wire and make solid connections
- Copper wire only
- Plugs and connectors have captive, quick-thread assembly screws backed out, ready for assembly
- · Plugs and connectors have integral thermo elastomer dust seal that surrounds cord to help prevent moisture and contaminants from entering the wiring chamber
- Plug has nickel-plated neutral blade for easy identification
- Amperage, voltage and NEMA configuration imprinted on face for easy identification
- UL and CSA certifications







Bryant® Straight Blade Plugs, Connectors and Receptacles

Bryant straight blade electrical plugs, connectors and receptacles have basically the same specs and features as the locking versions mentioned above, except that the plug blades and female connections are straight and do not lock.

Receptacles are industrial grade duplex straight blade devices that allow straight blade plugs to be connected.

- · Straight blade plugs, connectors and receptacles have the same features shown above for locking types
- Duplex receptacles face is molded of toughened nylon to resist breakage

Bryant® Watertight Plugs and Connectors

Bryant high-visibility yellow watertight plugs and connectors provide the same reliable service as the standard straight blade devices, but with added protection when paired together. These plugs and connectors provide excellent resistance to moisture and temperature.

- · High-visibility yellow thermoplastic elastomer housing
- Rugged PBT interiors provide excellent resistance to moisture and temperature
- · New cone seal prevents water from accumulating at the cable entrance
- Tongue and groove plug to connector sealing system for optimum protection
- Nickel-plated contacts and blades
- · Gotcha ring for superior strain relief
- Stainless steel captive assembly screws

- Accepts multiple cord diameters
- Individual neoprene bushings provide watertight sealing
- Keyed body and interior for proper alignment
- · Recommended where moisture exists or frequent washdown occurs
- · All exposed materials are UV stabilized
- Meets NEC requirements for "Wet & Damp Locations"
- Meets OSHA requirements
- UL, CSA, NSF and NEMA certifications





Bryant® Corrosion-Resistant Duplex Receptacles

Also available are corrosion-resistant duplex receptacles for use with Bryant watertight outlet boxes.



Wire Management

VAUTOMATION DIRECT

1-800-633-0405

www.automationdirect.com/wiring-solutions

BRYANT®

Wiring Device Accessories

Bryant accessories for wiring devices provide solutions for installations and safety.

TECH-SPEC®

Bryant® Lockout PlugBox Devices

OSHA approved lockout/tagout devices allow you to safely perform maintenance

- OSHA lockout/tagout regulation 29CFR 1910.147 compliance
- Protect against unexpected start-up of equipment during maintenance and repair work
- Plugs are locked safely in sturdy enclosure
- · Discourages unauthorized use of tools and equipment
- · Stores and protects plug when equipment is not in use or during relocation. Stores on cable when not in use.
- UV-stabilized polypropylene housing
- · High-visibility red for easy identification
- · Available in 3 sizes to accommodate a full range of plug designs and ratings
- · Openings for attachment of identification tag





Bryant® Angle Adapter

- · Converts 20A and 30A nylon locking plugs and connectors into space-saving angle devices
- · Adapters permit wire to exit parallel to the receptacle; eliminating space needed for wire to bend

5200 and 7200 Series Weather Protective Boots

- · Use with Bryant 15 and 20 Amp straight blade plugs and connectors and 15 Amp locking plug and connectors (5200 series)
- Use with Bryant Triple Gripper® 20 and 30 Amp nylon plugs and connectors (7200 series)
- · Help prevent moisture, dust and other contaminants from infiltrating plugs and
- Chemical/UV resistant thermoplastic elastomer construction (7200 series)

- · Available in high visibility yellow or standard black
- Excellent ozone and weather resistance
- · Resistant to deterioration by oils and heat
- Sealing ring seals connector when not mated (7200 series)
- IP55 suitability when installed and used properly with plug and connector body combinations
- Ribbed exterior for firm grip





Bryant® Stainless Steel Cover Plates

Stainless steel outlet cover plates are available for straight blade and locking type single or duplex receptacles.

Bryant® Portable Outlet Boxes

- · Non-conductive, impact resistant thermoplastic elastomer boxes reduce the exposure to potential hazards
- Automatic centering strain relief cord clamps
- NEMA Type 1, IP44

- For use with 15A or 20A duplex receptacles [not included]
- · Flip seals protect against wet environments and moisture when closed



Pin and Sleeve Devices

Bryant® Pin and Sleeve Watertight Plugs, Connectors, Receptacles and Inlets

Bryant IEC 60309 pin and sleeve devices are rugged nonconductive plugs, connectors, receptacles, and inlets designed to ensure reliable electrical continuity even in extreme environments. The tough insulated PBT housing, neoprene sealing glands, and a keyed interlocking shroud ensure that these devices will withstand impact and abuse, seal out contaminants and moisture, and prevent accidental disconnection while under load.

The design of these pin and sleeve devices ensure that devices of different amperage and voltage ratings cannot be connected together, conforming to IEC 60309-1 and IEC 60309-2 international standards.

Pin and sleeve plugs (male cord-end connectors) and inlets (male panelmounted connectors) feature a solid brass pin construction that provides long life and reliable electrical contact. Connectors (female cord-end connectors) and receptacles (female panel-mounted connectors) feature spring-loaded gasketed covers for watertight protection when not in use. Cord-end connectors also have gland nuts and bodies with opposing thread profiles to prevent wiring pull-out and reduce wear.

- IP67 environmental ratings
- · Impact- and corrosion-resistant insulated non-metallic housings
- · Sequential contact engagement to prevent a momentary over-voltage
- · External strain relief
- Glandless water ingress protection
- · Color-coded for each specific voltage
- Phase contacts are recessed in deep insulated chambers to minimize arcing
- Self-adjusting contacts provide accurate pin insertion, producing self-cleaning effect as pin is inserted and withdrawn from sleeve
- Ground contact in forward position ensures first make, last break, neutral contact connects next. then phase contacts
- · Terminal screws are backed out for easy assembly

Bryant® Portable Outlet Back Boxes

- · Back box features heavy duty cast aluminum construction with a durable enamel finish
- Adapter plates allow receptacles and inlets to be mounted to back boxes
- Cast aluminum direct mount back boxes permit receptacles to be mounted directly to box without adapter plate
- · Closure caps provide a watertight seal for male plugs and flanged inlets when not mated

Bryant® Closure Caps for Inlets and Plugs

Bryant closure caps are used to provide watertight seals for inlets and plugs.

Closure Cap used with Inlets



Closure Cap used with Plugs





Vinyl Electrical Tape

Electrical tape is a pressure-sensitive tape used to insulate and shield materials that conduct electricity. Plymouth Rubber offers a diverse array of high-quality,

professional grade vinyl electrical tape engineered for use across multiple applications, including general purpose and specialty function.

Plymouth Rubber® Premium 37 Electrical Tape

Premium 37 is a high quality, all-weather vinyl tape that applies easily and exhibits superior performance over a wide range of temperatures. This professional grade tape comes in a variety of colors and can be used as a protective outer jacket over splices.

- · Cold & weather resistant
- Flame retardant
- · High dielectric strength
- · Highly elastic
- · Highly conformable
- · High UV resistance

- Highly resistant to sun, water, oil, acids, alkalies, and corrosive chemicals
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197
- Does not contain lead, cadmium, mercury, or chromium (VI)





Plymouth Rubber® Revere Electrical Tape

Revere is vinyl electrical tape characterized by excellent performance and high durability. For use in general insulation applications and available in black.

- Flame retardant
- Meets EN 60454-3-1 and UL-510 standards

- Meets CSA C 22.2 no. 197
- Sold in a quantity of 5

Plymouth Rubber® Slipknot Platinum 8.5 Electrical Tape

Slipknot Platinum 8.5 electrical tape is a heavy duty, all-weather solution providing complete environmental, electrical, and mechanical protection and resistance over a wide range of applications. The ultraflex technology of this carefully formulated tape includes a very elastic engineered backer and aggressive adhesive, providing superior elasticity and conformability in temperatures ranging from -18°C and up to 105°C.

- Cold & weather resistant
- Flame retardant
- · High dielectric strength
- Highly elastic
- Highly conformable
- High UV resistance

- Highly resistant to sun, water, oil, acids, alkalies, and corrosive chemicals
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197
- Does not contain lead, cadmium, mercury, or chromium (VI)



Vinyl Electrical Tape

Plymouth Rubber® Slipknot Platinum 7.0 Electrical Tape

Specially formulated Slipknot Platinum 7.0 is an all-weather, heavy duty electrical tape suited for both indoor and outdoor use.

- · Cold & weather resistant
- Flame retardant
- · High dielectric strength
- Highly elastic
- Highly conformable
- · High UV resistance

- Highly resistant to sun, water, oil, acids, alkalies, and corrosive chemicals
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197
- Does not contain lead, cadmium, mercury, or chromium (VI)





www.automationdirect.com/wiring-solutions



Vinyl Electrical Tape Feature & Price Comparison								
Duty Grade	General Purpose		Professional			Heavy Duty		
Manufacturer	Plymouth	Scotch	Plymouth	Scotch	Plymouth	Scotch	Plymouth	Scotch
Product Series	Revere	Temflex 1700	Premium 37	35	Slipknot Platinum 7.0	Super 33+	Slipknot Platinum 8.5	Super 88
Thickness	7mil		7 mil		7mil		8.5mil	
Price	\$	\$\$	\$\$	\$\$\$\$	\$\$	\$\$\$\$	\$\$	\$\$\$\$\$
Elongation	$\leftarrow \longrightarrow \longrightarrow$		$\leftarrow \rightarrow $		$\leftarrow \sum \rightarrow$		\leftarrow \rightarrow	
Adhesion Strength	X		KK.				***	
Breaking Strength	Eg		Eg Eg				Eg Eg Eg	
UL Temp Range	=[] -10 to 80C	■ 0 to 80C	-10 to 80C	-10 to 80C	-10 to 80C	-10 to 80C	=0 -10 to 80C	=0 -10 to 80C
UL510	V	V	V	V	V	\square	\square	\square
CSA22.2 no.197	\square	\square	Ø	Ø	Ø	Ø		Ø

Insulating Mastic & Splicing Tape

adhesion and sealing characteristics to metals, rubbers, and formulated for superior conformability without synthetic cable insulations, and jackets. These tapes compromising on durability and quality.

Insulating mastic and splicing tapes offer excellent are engineered for both indoor and outdoor use

Plymouth Rubber® 17 Plyshield® Tape

17 Plyshield is an EPR based, self-amalgamating shielding tape with excellent stretch and conformability that allows for easy application. Formulated for electrostatic shielding on high voltage splices and terminations.



Plymouth Rubber® 77 Plyglas® Fabric Tape

77 Plyglas boasts a thermosetting rubber based pressure-sensitive adhesive, resulting in high tensile and mechanical strength. This woven glass fabric tape also provides excellent tear, abrasion, and high temperature resistance.

Plymouth Rubber® 61 & 61A Dacron-Glass Tape

Both 61 and 61A varnished dacron-glass tapes possess exceptionally high dielectric strength as well as superior flexibility and conformability. 61A has a thermosetting acrylic, pressure-sensitive adhesive applied on one side.





Plymouth Rubber® 150 ASTM Tape

150 ASTM splicing compound rubber tape is compatible with both low and high-density polyethylene and polypropylene cables. This tape conforms easily and self-amalgamates into a homogenous, void-free mass to provide an effective moisture seal.

Plymouth Rubber® W963 Plysafe® Tape

W963 Plysafe is an ethylene propylene rubber, high voltage tape ideal for insulating and jacketing splices. W963 Plysafe amalagamates quickly, resulting in a void-free electrically stable build-up.

- Outstanding corona and ozone resistance
- •Excellent moisture, corrosion, and chemical resistance

UV resistant





Plymouth Rubber® L969 Plyvolt® Tape

L969 Plyvolt is a linerless, high-voltage insulating tape compatible with all extruded cable insulations and is specially formulated for excellent thermal conductivity, allowing heat to dissipate from a joint. The linerless tape permits quicker taping speeds and yields uniform, void-free build-up.

Insulating Mastic & Splicing Tape

Plymouth Rubber® Self-Bonding Vinyl Mastic Tape

Vinyl mastic tape is composed of a self-fusing mastic compound with an all-weather and UV resistant, premium vinyl backing. This tape can be used for insulating and water sealing electrical connections through 600 volts.

- · Strong adhesion to metal, cable insulation, and jackets
- Excellent corrosion resistance
- · Long-lasting cathodic protection





Plymouth Rubber® 10 Plyseal® Insulating Mastic Tape

10 Plyseal mastic tape exhibits superior adhesion to metals, cable insulations, and jackets with no adverse effect on polymeric shields. Useful for water sealing ductwork, cable ends, and all types of splices.

- Excellent thermal stability
- High dielectric strength

· Resistant to freshwater, saltwater, soil, and corrosive chemicals

Plymouth Rubber® 20 Plysil® Silicone Rubber Tape

20 Plysil is a self-amalgamating, chemically cross-linked silicone rubber tape, triangular in cross-section and featuring a centerline for precise half-lapping. This tape employs no adhesive coating, offering a non-contaminating self-cleaning surface which maintains a high tracking resistance.

- Operating temperature -50C to 200C
- · High dielectric strength

· Resistant to freshwater, saltwater, soil, and corrosive chemicals





mWCC-12 Wire Management

VAUTOMATION DIRECT

1-800-633-0405

www.automationdirect.com/wiring-solutions