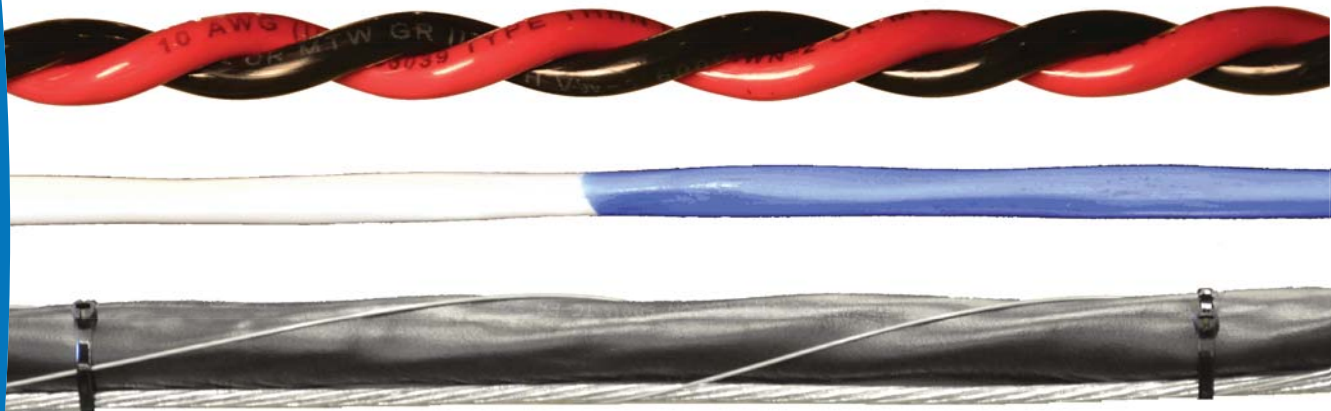




# Value Added Services

Omni Cable offers a wide variety of value added services such as twisting, stripping, dyeing and lashing to customize your wire and cable. If you need a wider variety of jacket colors, are running multiple wires through the same conduit, or are hanging wire or cable aerially, Omni Cable has the ability to custom build your wire or cable to meet the specific needs of your application. Our value added services can reduce costs by cutting down on installation time, eliminating errors, or extending the lifespan of a wire or cable.



# OMNICABLE

**(800) 292-OMNI**

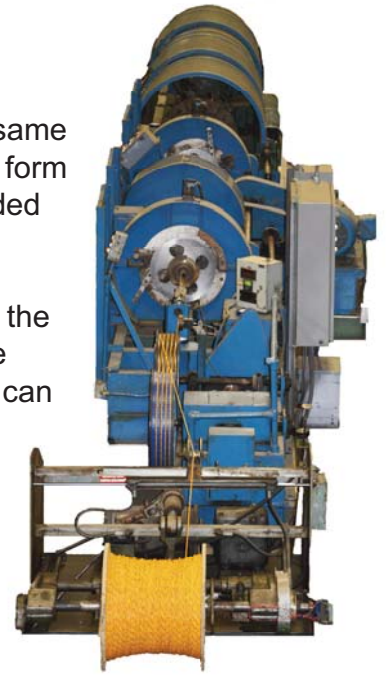
**[omnicable.com](http://omnicable.com)**



## **TWISTING**

Twisting is a great option for when you are pulling conductors through the same area. Instead of pulling them one at a time, you can twist them together to form a multi-conductor cable that can be utilized without a jacket. This value added service can save you time and money on your project.

Many cables can be twisted together in a variety of constructions. Some of the most common cable constructions twisted in our value added operation are THHN, THWN, UL 1015, MTW, TEW, and XHHW conductors. Omni Cable can twist up to 5 conductors in sizes from 22 AWG to 16 AWG, or up to 3 conductors in sizes from 14 AWG to 10 AWG.



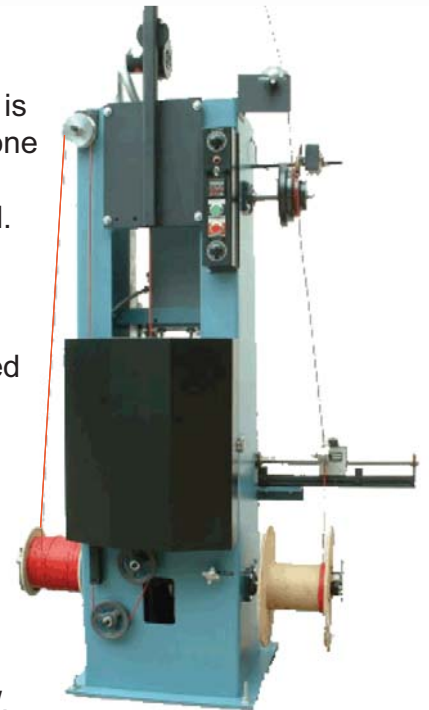
## **STRIPING**

Striping a wire is a relatively simple process. The entire length of the cable is run through a machine that paints a stripe onto the wire. Striping can be done on 24 AWG through 500MCM. 10AWG through 24AWG can be striped spirally, whereas the 8AWG and larger use the straight line striping method.

The purpose of striping wire is to create additional color options above and beyond the jacket colors available for that particular wire. Striping provides you with additional color coding options, so that each wire is easily identified after being run through conduit.

The number of jacket colors available often only reaches 12, but with the option to add a red, orange, brown, blue, yellow or black stripe to those jackets, your color coding options increase to over 60. This is very beneficial when wiring an entire building through conduit, because the wire is easily identified on both ends.

Some of the most commonly striped wire and cable types are THHN, MTW, TEW, and SIS.



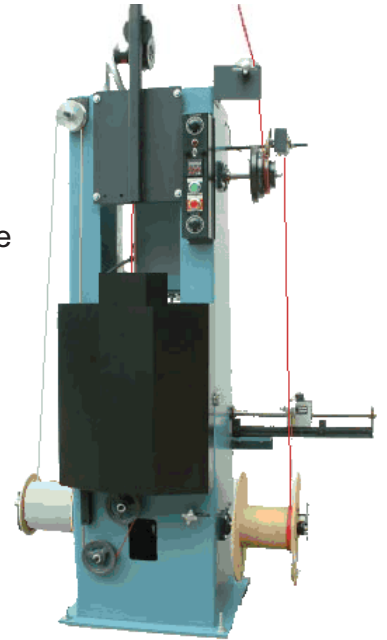
## **DYEING**

Dyeing permanently changes the jacket color of a wire or cable. It is used primarily by OEM/MRO customers.

If a cable is only manufactured in one color and you have multiple runs of the same cable, Omni Cable can dye the cable so that it can be easily identified after running it through the conduit.

The dyeing process is most effective on PVC type wires and fiberglass jacketed silicone wires. Some commonly dyed products include type SF-2, TGGT, MG, SRML, and MTW.

The minimum outer diameter recommended for dyeing is 0.06".  
The maximum outer diameter recommended for dyeing is 0.24".



## **LASHING**

Lashing is the process of taking an outdoor cable, usually a tray or instrumentation cable, and attaching it to a messenger wire so that it may be used in aerial applications. The messenger wire withstands the tension so the instrumentation or tray cable does not sag over time.

At Omni Cable, we typically use a 3/8" or 1/4" galvanized steel messenger wire and lash it to various outdoor rated cables.

It is important that you do not cut or loosen the clamps at the end of any lashed cable. This will cause the lashing wire to loosen and create a sag in your aerial cable. You must use the proper clamps and fasteners for the messenger size utilized. The clamps will ensure that the weight of the cable is supported by the messenger wire, not the power and control cable.





# OMNICABLE

## Power & Control

THHN / PVC - Tray Cable  
XLP / PVC & CPE - Tray Cable  
FR-EP / CPE - Tray Cable  
Medium Voltage (5kV - 69kV)  
Shielded Constructions  
Various Custom Constructions

## Instrumentation

POS and SPOS constructions  
TOS and STOS constructions  
THHN / PVC  
XLP / PVC  
XLP / CPE  
FR-EP / CPE  
300 Volt PLTC  
600 Volt TC  
Custom constructions/insulation/jackets available

## Portable Cords

SO / SOOW, 2-50 Conductor  
Type G, GG-C, SHD-GC  
Type W  
Bus Drop

## Flexible Cables

Diesel Locomotive – DLO  
Welding Cable  
VFD – 3 and 4 Conductor  
Festoon Cable  
Jumper Cable – 5kV to 15kV  
SDN® – Reel & Pendant  
Alpha Wire / Lutze / LAPP USA  
Type P - Marine Cable

## High-Temp Lead Wires

SF-2, SFF-2 in colors	(UL 150°C-200°C)
TGGT	(UL 250°C)
MG	(UL 450°C)
SRML, SRG, SRK, SRGT	(UL 150°C-200°C)
Teflon-E, EE, K, KK, PFA, Tefzel®	(UL 150°C-200°C)
Super High Temp Cables	(UL 450°C/Non-UL 980°C)

## Hook-up

PVC Hook-up wire (UL 1007, UL 1015, UL 1061)  
Irradiated PVC Hook-up wire (UL 1429, UL 1430, UL 1431)  
Neoprene Lead Wire (UL 3044, UL 3046, UL 3048)  
Military Spec (M16878, M22759)  
Harmonized PVC Hook-up  
EPDM  
SIS – VW-1 – All colors

## Fiber Optics

Indoor, Indoor/Outdoor, Outdoor  
Plenum and Riser  
Tight Buffer and Loose Tube  
Multi-mode and Single-mode  
Armored

## Bare and Tinned Copper

Stranded – Tinned and Bare  
Solid – Tinned and Bare

## Belden

Industrial  
Classics  
Industrial Ethernet  
New Generation  
Networking Copper & Fiber Optic Cables

## Armored Cables – 600V, 5kV, 15kV

Aluminum Interlocked Armor - PVC or Non-PVC jacketed  
Teck 90 – CSA – Control and Instrumentation  
Continuous Corrugated Weld

## Aluminum Cable

ACSR Aluminum Conductor, Steel Reinforced  
Primary URD TR-XLP 15kV/25kV/35kV  
XLP Triplex Service Drop Cable  
XLP Triplex / Quadraplex Secondary URD

## Sound, Security and Alarm

Thermostat  
Plenum, CL2P, CMP  
Coax – RG59, RG6, RG6 Quad  
Fire Alarm – FPLR, FPLP – Article 725, 760, 800  
2-Hour Fire Rated Circuit Integrity (CI, CIC, RHW)  
Crestron / Lutron Equals

## IMSA

19-1 and 20-1 Traffic Signal Cable  
50-2 Lead-In  
51-1, 51-3, 51-5 Loop Detector

## Telephone

Indoor / Outdoor  
High Speed Data – Cat5e, Cat6 (350-550MHz)  
Direct Burial  
Aerial  
Figure 8  
TelcoFlex

## Building Wire

TFFN / TFN - Solid or Stranded  
THHN / THWN - Solid or Stranded  
XLP / USE  
THW  
XHHW-2 / XHHW-2 CT  
Cathodic Protection  
Photovoltaic

## Cable Accessories

Fittings – Tray, Portable Cord, Armor  
Medium Voltage Splices & Terminations  
Low Voltage Splices, Taps, Motor Connection Kits  
ShearBolt Connectors and Terminals  
Crimp Connectors and Terminals  
200AMP and 600AMP Elbows  
ALR Photocontrol & Lighting Accessories

## Value Added Services

Striping  
Dyeing  
Twisting  
Bundling  
Custom Constructions