



Hendrix[®]
AERIAL CABLE SYSTEMS

Hendrix Tap, Tie & Ground Wire



53 Old Wilton Road • Milford, NH 03055-3119 • 603-673-2040 • www.marmonutility.com



A Marmon Wire & Cable/Berkshire Hathaway Company

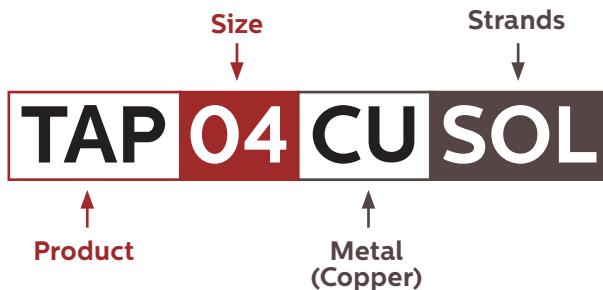
Description

Hendrix Tap Wire incorporates the benefits of a covered cable system into a jumper/tap wire application. Tap wire is used as a lead from primary phase conductors to equipment bushings. This is suitable for use in spacer cable, tree wire, weatherproof wire, and bare wire distribution lines. It is comprised of a compressed stranded or solid copper conductor and covered with a layer of extruded black, thermoplastic rubber (TPR).

Benefits

- High voltage breakdown strength, ideal for 15–35kV applications
- Reduces outages due to wildlife contact with the energized tap and a phase or a ground plane such as a transformer case
- Thickest covering in the industry, yet bends with no “springback”
- Thermoplastic rubber (TPR) covering is flexible and trains easier than polyethylene covered wires
- Resists UV degradation.

Understanding Part Numbers



Video



Hendrix Tap Wire!

Availability

Catalog No.	Size	Strands	Conductor Diameter (inches)	Covering Thickness (inches)	Overall Diameter (inches)	Weight (lbs/ft)	Ampacity* (amps)
TAP06CUSOL	#6 AWG	Solid	0.162	0.150	0.462	0.143	165
TAP06CUSTR	#6 AWG	7	0.178	0.150	0.478	0.145	165
TAP04CUSOL	#4 AWG	Solid	0.204	0.150	0.504	0.212	218
TAP04CUSTR	#4 AWG	7	0.232	0.150	0.532	0.214	218
TAP02CUSTR	#2 AWG	7	0.283	0.150	0.583	0.29	293
TAP10CUSTR**	1/0 AWG	19	0.362	0.150	0.662	0.428	391
TAP40CUSTR**	4/0 AWG	19	0.512	0.150	0.812	0.783	600

*105°C conductor, 25°C ambient, 2 ft/sec. wind, sun.

**New Sizes



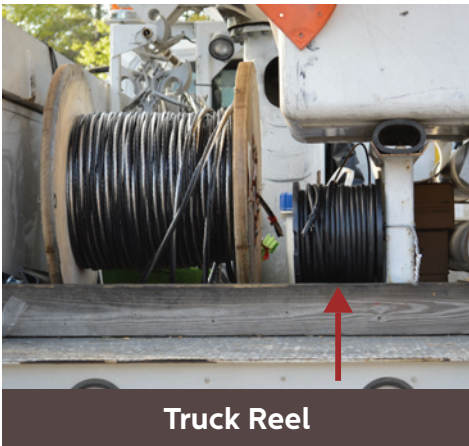
Master Reel

Master Reel			
Part No.	Tap Size	Reel Size	Length (ft)
TAP06CUSOL-02 TAP06CUSTR-02	#6 Copper	48x28x21	8,800
TAP04CUSOL-02 TAP04CUSTR-02	#4 Copper	48x32x18	6,800
TAP02CUSTR-02	#2 Copper	42x28x18	5,900
TAP10CUSTR-02	1/0 AWG	48x32x18	4,000
TAP40CUSTR-02	4/0 AWG	48x32x18	2,500



Small Reel

Small Reel			
Part No.	Tap Size	Reel Size	Length (ft)
TAP06CUSOL-03 TAP06CUSTR-03	#6 Copper	24x14x10	1,000
TAP04CUSOL-03 TAP04CUSTR-03	#4 Copper	24x14x10	1,000
TAP02CUSTR-03	#2 Copper	24x14x10	750
TAP10CUSTR-05	1/0 AWG	30x22x15	500
TAP40CUSTR-05	4/0 AWG	30x22x15	500



Truck Reel

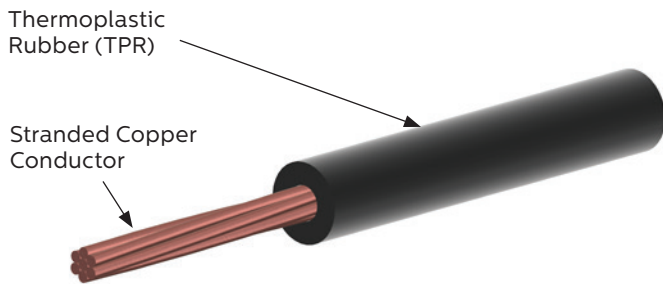
Truck Reel			
Part No.	Tap Size	Reel Size	Length (ft)
TAP06CUSOL-08 TAP06CUSTR-04	#6 Copper	12x8x5	200
TAP04CUSOL-06 TAP04CUSTR-05	#4 Copper	12x8x5	170 180
TAP02CUSTR-11	#2 Copper	12x8x5	125



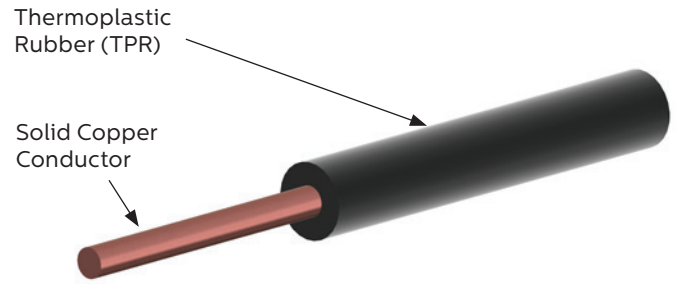
Hand Coil

Hand Coil			
Part No.	Tap Size	Length (ft)	Weight (lbs)
TAP06CUSOL-00 TAP06CUSTR-00	#6 Copper	300	44
TAP04CUSOL-00 TAP04CUSTR-00	#4 Copper	200	43
TAP02CUSTR-00	#2 Copper	150	44

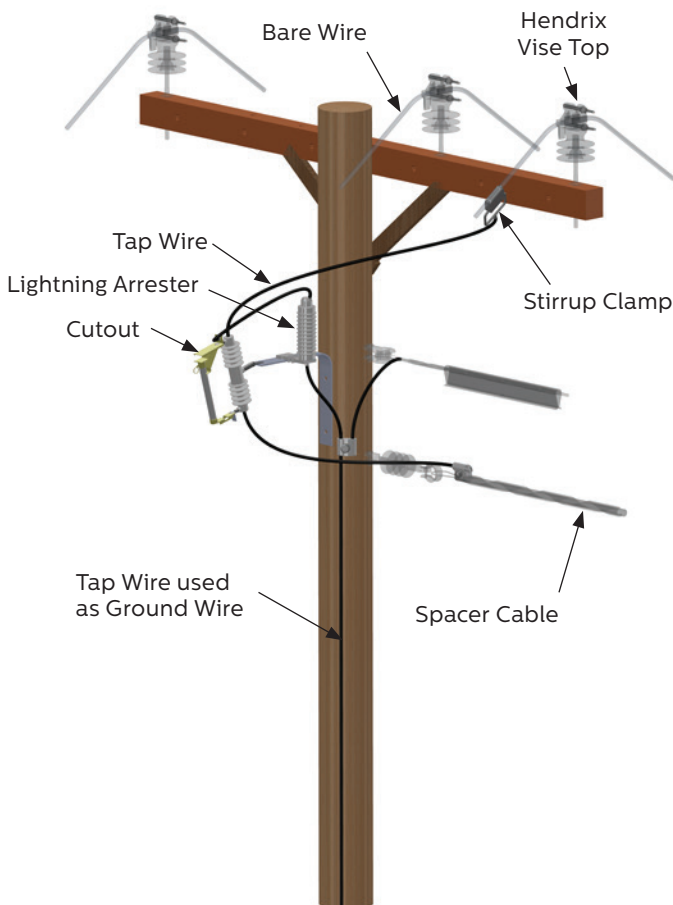
Tap Wire - 7 or 19 Strand



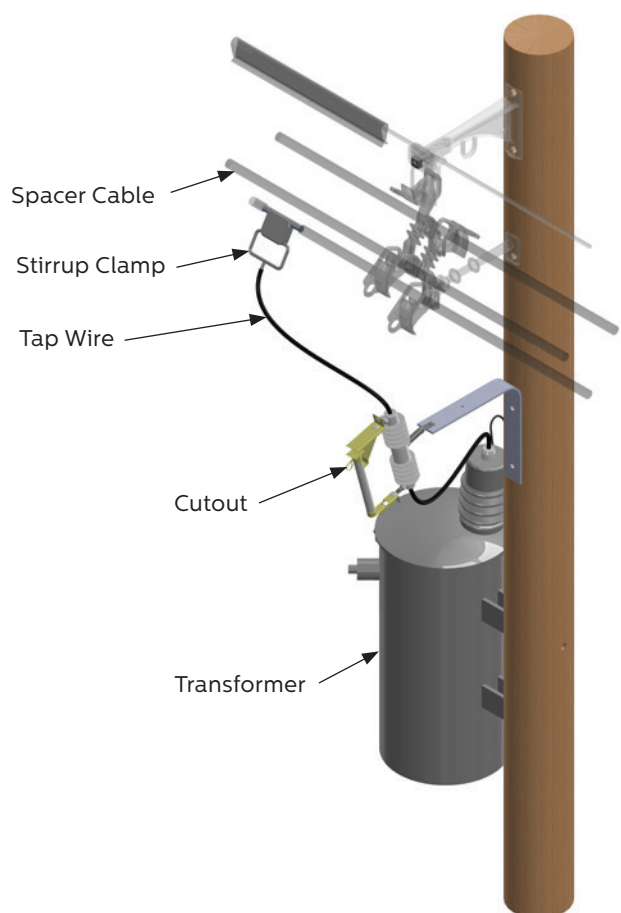
Tap Wire - Solid



Primary Phase Tap Application



Transformer Application



Application

Hendrix Tap Wire is recommended for use in spacer cable, tree wire, weatherproof wire, and bare wire distribution lines. It is useful in the following applications:

Tap wire for cutouts, transformers, and other equipment

- Substation equipment connection to provide covered bus and as a covered ground lead
- Ground wire in distribution circuits
- Commonly used with the Hendrix Wildlife Guard (BG-9), which is placed over the bushing and isolates the bushing connector from contact

Description

Hendrix Covered Tie Wire incorporates the benefits of a covered cable system into a tie wire application. Covered tie wire is used to tie a covered conductor to a Hendrix polyethylene pin type insulator. This is suitable for use in spacer cable, tree wire, and weatherproof wire distribution lines. It is comprised of a fully annealed aluminum conductor and covered with a layer of extruded black, thermoplastic rubber (TPR).

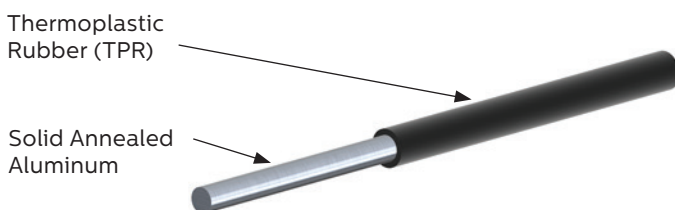
Benefits

- Eliminates tracking and erosion caused by the use of bare tie wire on a covered conductor
- Conductor and covering are flexible and have no tendency to “springback”
- Resists UV degradation.
- Thermoplastic rubber (TPR) covering grips covered conductor better than PVC and other tie wires
- Tying method is the same as that used with bare conductors and ties

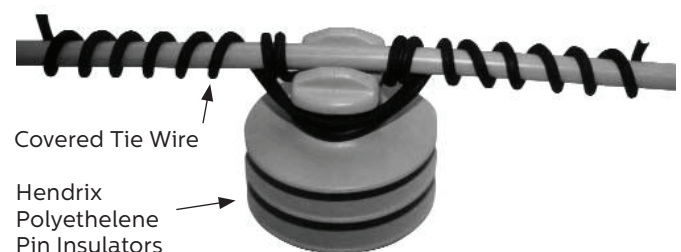
Availability

Catalog No.	Size	Strands	Conductor Diameter (inches)	Covering Thickness (inches)	Overall Diameter (inches)	Length (ft)	Standard Packaging (lb)
TIE04ALSOL-00	#4 AWG	Solid	0.204	0.045	0.294	500	25
TIE04ALSOL-02	#4 AWG	Solid	0.204	0.045	0.294	19,000	1,025

Covered Tie Wire



Application



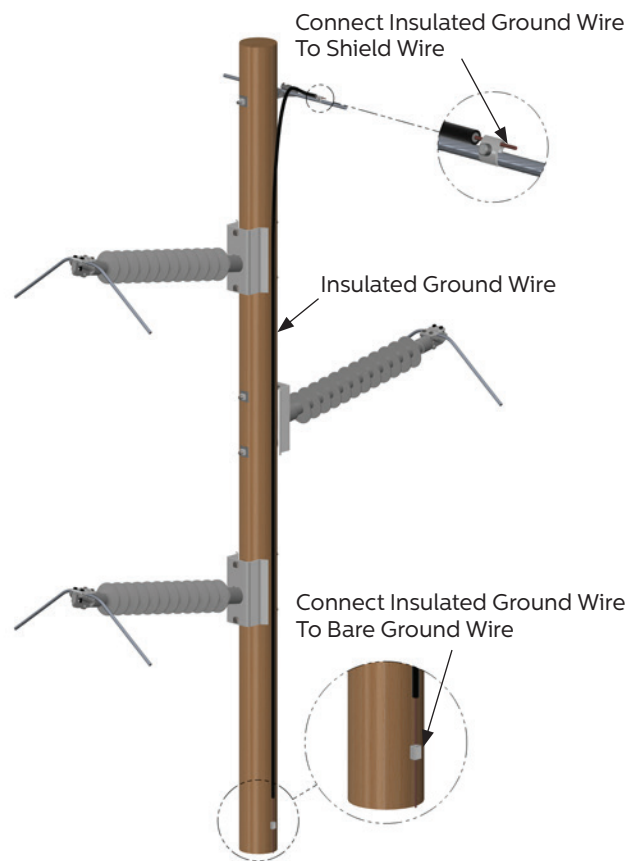
Description

Hendrix Insulated Ground Wire incorporates the benefits of a covered cable system into a ground wire application. Insulated ground wire is used on wood pole transmission lines where a bare ground wire has insufficient BIL to meet system requirements. It is comprised of a copper conductor and covered with an inner layer of natural low density polyethylene and an outer layer of proprietary black, track and ultraviolet resistant, high density polyethylene. The covering thickness is dependent on the BIL requirements of the transmission line on which the insulated ground wire is to be installed.

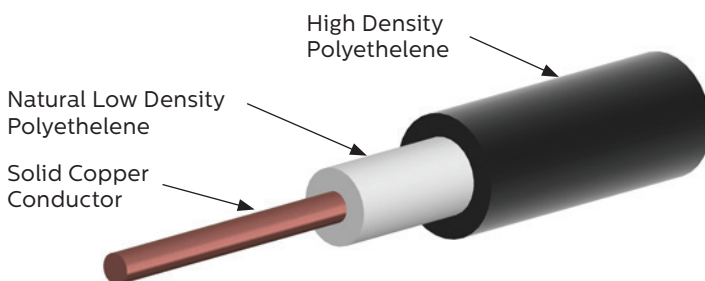
Benefits

- Cost-effective method for increasing impulse strength
- Proprietary outer layer resists abrasion, electrical tracking and UV degradation
- Ideal for use on wood poles and cross arms
- Easier to install than standoff insulators
- Effective in reducing lightning outages
- Discourages copper theft

Application



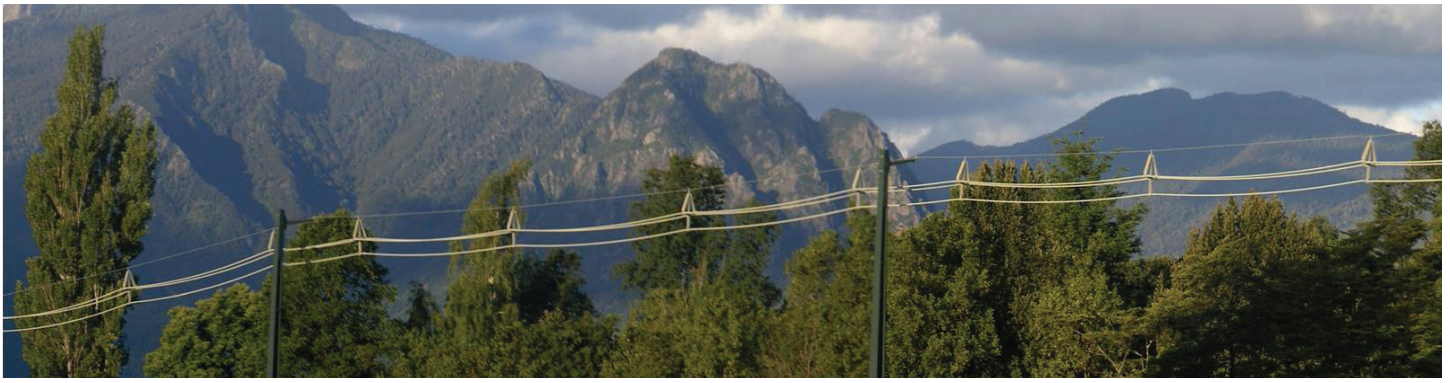
Insulated Ground Wire



Availability

Catalog No.	Size	Strands	Conductor Diameter (inches)	Covering Thickness		Overall Diameter (inches)	Weight (lbs/ft)	System BIL (kV)	Avg. impulse withstand strength (kV)
				Inner (inches)	Outer (inches)				
GW04CU350	#4 AWG	Solid	0.204	0.150	0.150	0.804	0.322	350	450
GW02CU550	#2 AWG	Solid	0.258	0.325	0.125	1.158	0.623	550	600

*Available with pre-stripped ends to facilitate rapid installation



Hendrix is the Inventor, Innovator & Leader of Aerial Cable Systems

Check out marmonutility.com for more information.

Substation exits



Underbuilds/overbuilds



Long spans



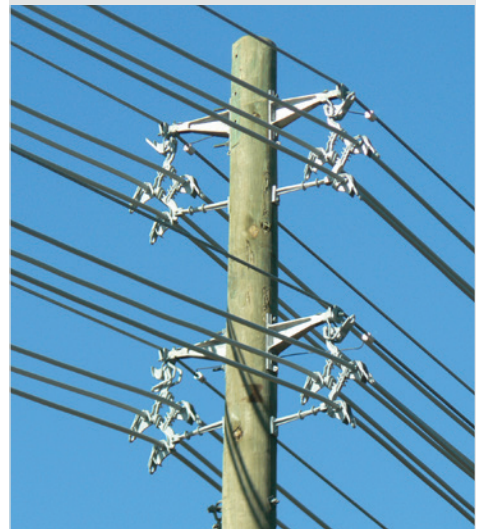
Heavily treed/ecologically sensitive areas



Clearance issues/ Right of way



Multiple circuits reduce clearance requirements



Request a quote today!



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Contact your local Hendrix representative



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