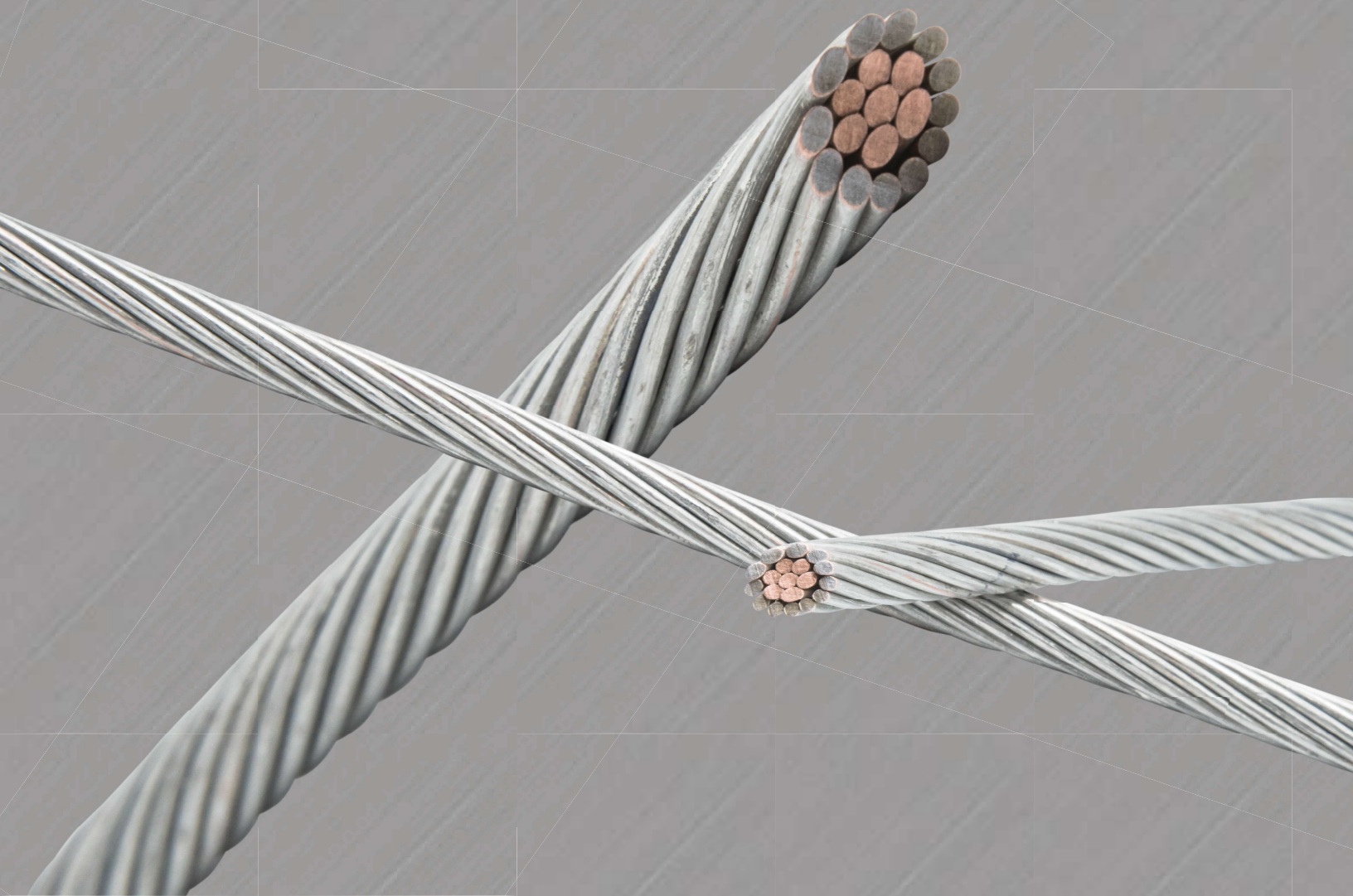


# **HARGER**



## **Theft Deterrent Wire**

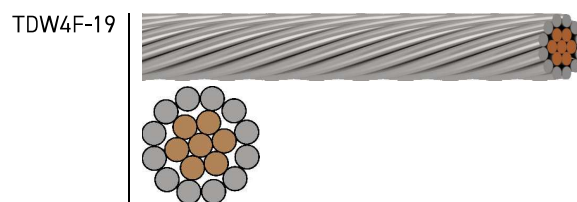
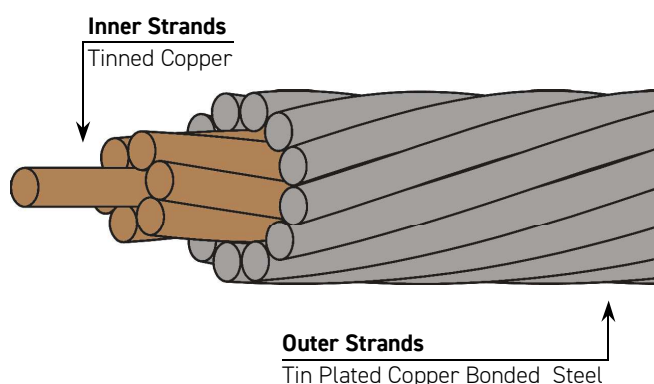


# FEATURES

Harger Theft Deterrent Wire (TDW) conductors are engineered using a combination of tin-plated copper strands and galvanically compatible, tin-plated copper-clad steel stranding. This robust construction is designed specifically for environments where copper theft is a concern.

TDW conductors are ideal for use as exposed leads for ground electrode systems in electrical distribution systems such as substations, utility & transmission poles, wireless cell sites, and other vulnerable locations. Their magnetic properties and resistance to cutting with standard hand tools serve as strong deterrents to theft.

TDW is available in standard 250-foot reel lengths, with custom lengths available upon request to suit specific project requirements.

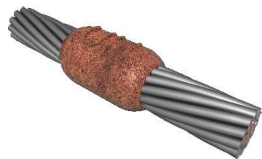


Part No.	Stranding	No. of Strands	Fusing Current @ 32 ms, (kA)*	Resistance ( $\Omega$ /kFT)	Diameter (Inches)	Approx. Wt. (lbs./kFT)
TDW8F-7	(1) Tinned Copper, (6) Tin Plated Copper-Clad Steel	7	14.18	0.9343	0.195	81
TDW4F-19	(7) Tinned Copper, (12) Tin Plated Copper-Clad Steel	19	40.68	0.2821	0.324	226

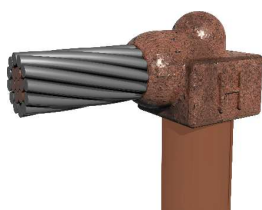
- Difficult to cut with hand tools.
- Designed for high theft areas.
- For use with other Harger theft deterrent and tamper-proof products such as Pipe Clamps and Fence Grounding Clamps.

\* Onderdonk method

# ULTRAWELD CONNECTIONS



Part Number	Weld Metal		Run	Tap	Mold Handle
	UltraShot	NuwTube			
BST8F7L	US25	NUWTUBE25	TDW8F-7	TDW8F-7	MH3 <i>included</i>
BST8F78L	US25	NUWTUBE25	TDW8F-7	#8 AWG Concentric Stranded	
BST4F19L	US32	NUWTUBE32	TDW4F-19	TDW4F-19	
BST4F194L	US32	NUWTUBE32	TDW4F-19	#4 AWG Concentric Stranded	



Part Number	Weld Metal		Run	Tap	Mold Handle
	UltraShot	NuwTube			
GD12FT8F7L	US25	NUWTUBE25	TDW8F-7	1/2" Copper-bonded Ground Rod	MH3 <i>included</i>
GD58T8F7L	US32	NUWTUBE32	TDW8F-7	5/8" Copper-bonded Ground Rod	
GD34T8F7L	US45	NUWTUBE45	TDW8F-7	3/4" Copper-bonded Ground Rod	
GD12FT4F19B	US65	NUWTUBE65	TDW4F-19	1/2" Copper-bonded Ground Rod	MH1
GD58T4F19B	US65	NUWTUBE65	TDW4F-19	5/8" Copper-bonded Ground Rod	
GD34T4F19B	US90	NUWTUBE90	TDW4F-19	3/4" Copper-bonded Ground Rod	



Part Number	Weld Metal		Run	Tap	Mold Handle
	UltraShot	NuwTube			
VAT8F7B	US45	NUWTUBE45	TDW8F-7	Vertical Flat Steel	MH1
VAT8F7V1.25X4B	US45	NUWTUBE45	TDW8F-7	1.25 - 4" Vertical Steel Pipe	
VAT8F7V4X12B	US45	NUWTUBE45	TDW8F-7	4 - 12" Vertical Steel Pipe	
VAT4F19B	US65	NUWTUBE65	TDW4F-19	Vertical Flat Steel	
VAT4F19V1.25X4B	US65	NUWTUBE65	TDW4F-19	1.25 - 4" Vertical Steel Pipe	
VAT4F19V4X12B	US65	NUWTUBE65	TDW4F-19	4 - 12" Vertical Steel Pipe	

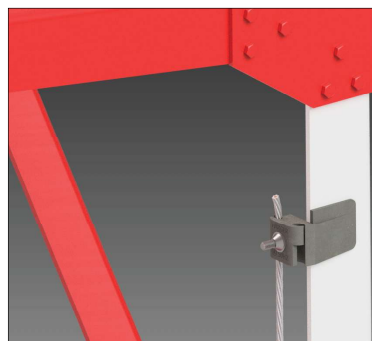
Other mold configurations available. Please contact factory for more information.

# TAMPER-PROOF CONNECTIONS



## Pipe Clamp (CPC) Series


- Wide pipe range; .5" – 6"
- Shown with tamper-proof hardware
- UL467 and UL96 Listed
- Rated for direct burial in earth & concrete



## Flange Bonding Plate (FBP) Series

- Flange range to 1"
- Shown with tamper-proof hardware
- UL467 and UL96 Listed
- Rated for direct burial in earth & concrete (bronze only)

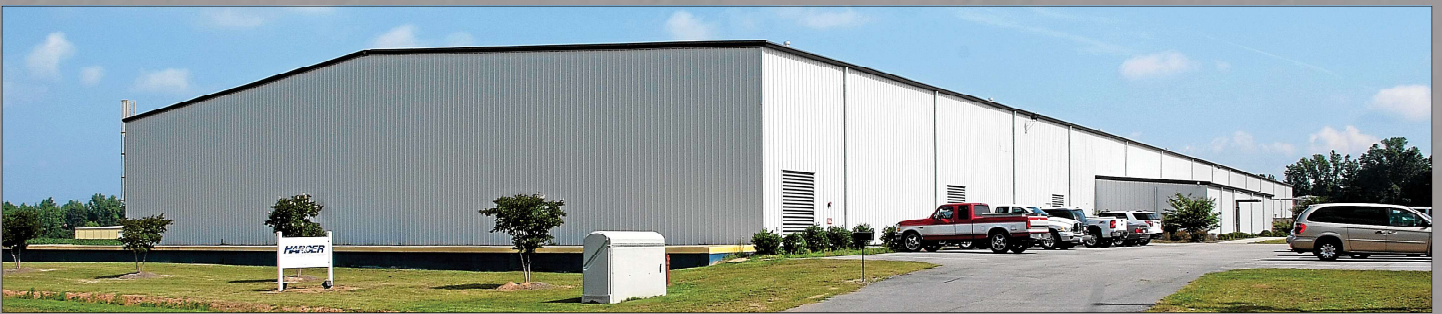




For more than 60 years, Harger combines exceptional customer service and technical expertise to manufacture high quality products to assist with your projects from initial planning to completion.



Harger's corporate office and 66,000 square foot manufacturing facility located in Grayslake, IL.



Harger's 95,000 square foot manufacturing facility in Fairmont, NC.



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