

CT Wire Cable HD with Shorting

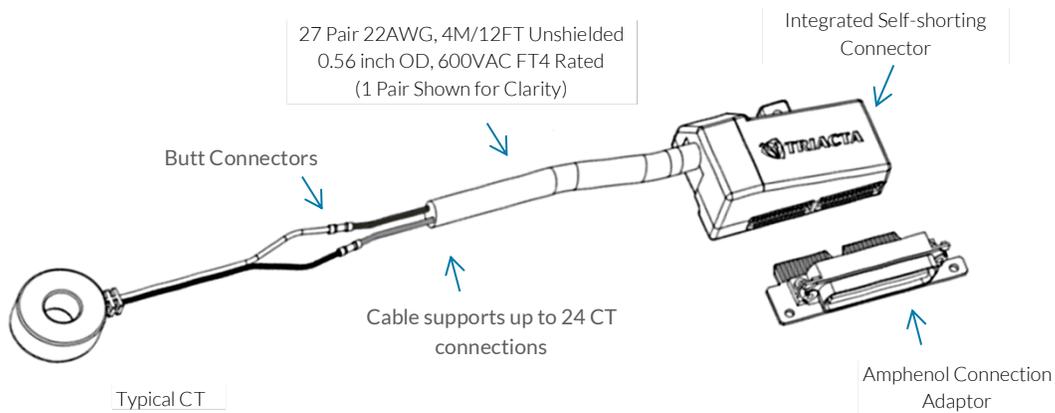
The Triacta CT Wire Cable with Integrated Shorting is a 4M/12FT long sheathed cable supporting up to 24 CT's connected to a PowerHawk 6112, 6103, 6312, 6303, 4124, 4106, 4324 or 4306 meter via an integrated self-shorting connector. Each X1/X2 wire pair is automatically shorted together when the integrated self-shorting connector is not connected to the Amphenol connection adaptor.

Product Numbers and Variants

Product Number	Product Name	Product Description
940-022-01	CT Wire Cable HD w/Shorting /Amphenol Connection Adaptor /& Filler Plate (4M/12FT)	High-density CT wire cable assembly with integrated mA CT shorting connector. Provides 27 color-coded, 22 AWG stranded wire pairs within a sheathed cable (4M/12 FT-0.56" O.D.) Connects with up to 24 CT's via butt-joining. For use with high-density PowerHawk meters: 6112, 6103, 6312, 6303, 4124, 4106, 4324, or 4306.

Features and Specifications

- Integrated self-shorting connector
- Supports up to 24 CT connections
- Cable Length: 4M/12FT
- Cable Outside Diameter: 0.56"
- Unshielded, 27 twisted pair, 22AWG, Rated 600V FT-4
- Included in Measurement Canada NOAs: AE-1665, AE-1919, AE2360
- UL Listed to 61010-1, CAN/CSA-C.22.2 No.61010-1-12 (File: E328997)



Caution: CT shorting is recommended for all meter installations using milliamp CTs and/or 5 amp CTs with 5A:mA converters. When CTs are energized, the output X1/X2 wire pair of each CT must always be either connected to a meter or shorted together. Open circuit CTs will generate a hazardous voltage which may damage equipment and/or cause personal injury.

Installation

1. Remove the filler plate and the mounting screw that were shipped with the PowerHawk meter (Figure 1)
2. Connect the Amphenol Connection Adaptor to the PowerHawk meter (Figures 2 and 3)
3. Pass the bare cable through the filler plate shipped with the cable (Figures 4)
4. Connect X1 and X2 from each CT to the specified color in each color pair as per the connection tables for each PowerHawk Meter configuration. **Do not energize any of the CTs until after they are connected to the cable.**
5. Connect the CT cable connector to the Amphenol Connection Adaptor (Figures 5 & 6)
6. Power up the PowerHawk meter

Figure 1

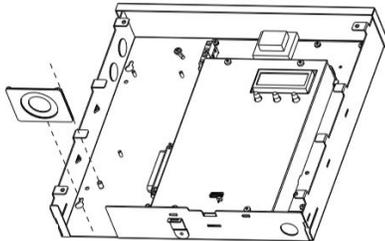


Figure 2

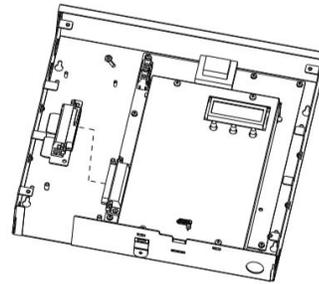


Figure 3

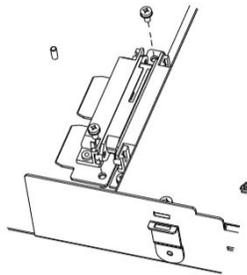


Figure 4

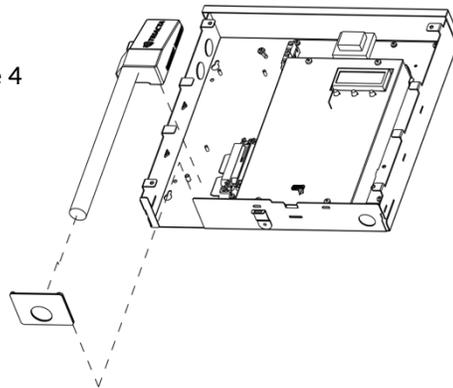


Figure 5

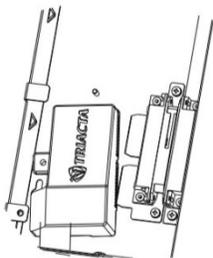
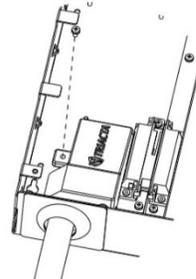


Figure 6



Color Code Installation Sequence

PowerHawk Meter CT Color Pair Identification

Model Number	1 Element Mode Meter Point ID#	2 Element Mode Meter Point ID#	3 Element Mode Meter Point ID#	Connect X1 CT lead to:	Connect X2 CT lead to:	
6312/6112/4124/4324	6303/6103/4106/4306	P1-1	P1-1	P1-1	Black	Green
		P2-1	P1-2	P1-2	Black	White
		P3-1	P2-1	P1-3	Black	Red
		P4-1	P2-2	P2-1	Red	Green
		P5-1	P3-1	P2-2	Red	White
		P6-1	P3-2	P2-3	Black	Orange
	P7-1	P4-1	P3-1	Black	Brown	
	P8-1	P4-2	P3-2	Black	Yellow	
	P9-1	P5-1	P3-3	Black	Blue	
	P10-1	P5-2	P4-1	Green	Yellow	
	P11-1	P6-1	P4-2	Green	Blue	
	P12-1	P6-2	P4-3	Green	White	
	P13-1	P7-1	P5-1	Blue	White	
	P14-1	P7-2	P5-2	Green	Orange	
	P15-1	P8-1	P5-3	Green	Brown	
	P16-1	P8-2	P6-1	Blue	Yellow	
	P17-1	P9-1	P6-2	Brown	White	
	P18-1	P9-2	P6-3	Orange	White	
	P19-1	P10-1	P7-1	Red	Orange	
	P20-1	P10-2	P7-2	Red	Yellow	
	P21-1	P11-1	P7-3	Red	Brown	
	P22-1	P11-2	P8-1	Blue	Orange	
	P23-1	P12-1	P8-2	Yellow	White	
	P24-1	P12-2	P8-3	Blue	Brown	