

A. System Overview



## Code/Flex Conductor HTAP

B1. Cable Ties

### For Making Parallel and Multiple Tap Connections on Code and Flex Conductors

#### Type HTCT

B2. Cable Accessories

- Used to tap into continuous conductors as a splice or pigtailling
- Each HTAP terminates a wide range of conductor sizes and combinations of code and flex conductors Class G, H, I and Diesel Locomotive to suit a variety of applications
- Slotted design allows quick and easy assembly of conductor to HTAP using three Panduit 94V-0 cable ties included
- Tap grooves are separated from one another allowing them to function independently so HTAP can be used with a single or multiple taps providing maximum design and installation flexibility
- Color-coded and marked with Panduit die index numbers for proper crimp die selection
- UL Listed and CSA Certified for applications up to 600 V when crimped with Panduit and specified competitor crimping tools and Panduit crimping dies<sup>‡</sup>
- Tin-plated to inhibit corrosion

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection



C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

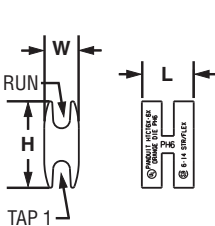
E2. Labels

E3. Pre-Printed & Write-On Markers

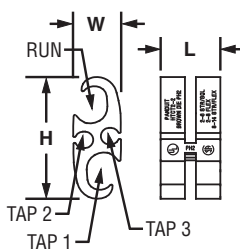
E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

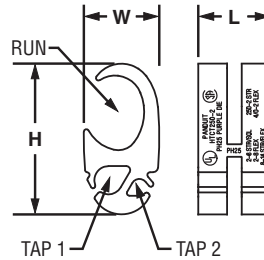
F. Index



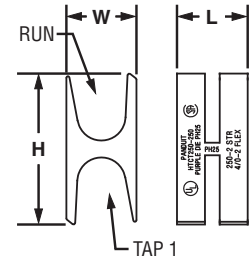
HTCT6X-6X



HTCT2-2



HTCT250-2



HTCT250-250

Part Number	Wire Strand Type	Copper Conductor Size Range				Figure Dimensions In. (mm)			Panduit Die Color and Die No.‡	Wire Strip Length In. (mm)	Std. Pkg. Qty.
		Run	Tap 1	Tap 2	Tap 3	L	W	H			
HTCT6X-6X-1	Code	#6 – #14 AWG (10 – 2.5)	#6 – #14 AWG (10 – 2.5)	—	—	0.60 (15.2)	0.40 (10.2)	1.00 (25.4)	Orange PH6	11/16 (18)	1
	Flex	#6 – #14 AWG (10 – 2.5)	#6 – #14 AWG (10 – 2.5)	—	—						
HTCT2-2-1	Code	#2 – #6 AWG STR/SOL (25 – 16)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)	0.76 (19.3)	0.61 (15.5)	1.55 (39.4)	Brown PH2	13/16 (21)	1
	Flex	#2 – #8 AWG (25 – 10)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)						
HTCT250-2-1	Code	250 kcmil – #2 AWG (120 – 35)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	—	0.92 (23.4)	0.96 (24.4)	1.92 (48.8)	Purple PH25	1 (25)	1
	Flex	4/0 – #2 AWG (95 – 35)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	—						
HTCT250-250-1	Code	250 kcmil – #2 AWG (120 – 35)	250 kcmil – #2 AWG (120 – 35)	—	—	0.90 (22.9)	0.89 (22.6)	1.92 (48.8)	Purple PH25	1 (25)	1
	Flex	4/0 – #2 AWG (95 – 35)	4/0 – #2 AWG (95 – 35)	—	—						

‡See page D3.94 for tool and die information.

^Note: HTCT parts are UL Listed and CSA Certified with AWG wire only.

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C2. Surface Raceway

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D3. Grounding Connectors

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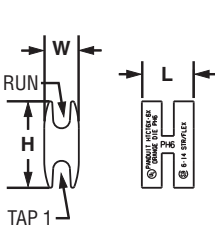
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E3. Pre-Printed & Write-On Markers

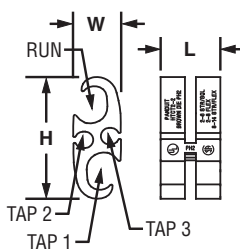
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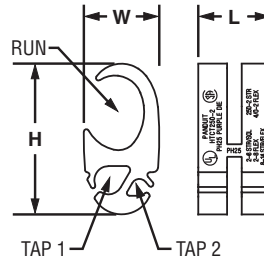
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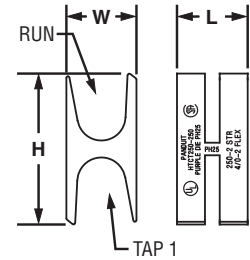
HTCT6X-6X



HTCT2-2



HTCT250-2



HTCT250-250

Part Number	Copper Conductor Size Range					Figure Dimensions In. (mm)			Panduit Die Color and Die No.‡	Wire Strip Length In. (mm)	Std. Pkg. Qty.																																												
	Wire Strand Type	Run	Tap 1	Tap 2	Tap 3	L	W	H																																															
HTCT6X-6X-1	Code	#6 – #14 AWG (10 – 2.5)	#6 – #14 AWG (10 – 2.5)	—	—	0.60 (15.2)	0.40 (10.2)	1.00 (25.4)	Orange PH6	11/16 (18)	1																																												
	Flex	#6 – #14 AWG (10 – 2.5)	#6 – #14 AWG (10 – 2.5)	—	—							HTCT2-2-1	Code	#2 – #6 AWG STR/SOL (25 – 16)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)	0.76 (19.3)	0.61 (15.5)	1.55 (39.4)	Brown PH2	13/16 (21)	1	Flex	#2 – #8 AWG (25 – 10)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)	HTCT250-2-1	Code	250 kcmil – #2 AWG (120 – 35)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	—	0.92 (23.4)	0.96 (24.4)	1.92 (48.8)	Purple PH25	1 (25)	1	Flex	4/0 – #2 AWG (95 – 35)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	—	HTCT250-250-1	Code	250 kcmil – #2 AWG (120 – 35)	250 kcmil – #2 AWG (120 – 35)	—	—	0.90 (22.9)	0.89 (22.6)	1.92 (48.8)	Purple PH25
HTCT2-2-1	Code	#2 – #6 AWG STR/SOL (25 – 16)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)	0.76 (19.3)	0.61 (15.5)	1.55 (39.4)	Brown PH2	13/16 (21)	1																																												
	Flex	#2 – #8 AWG (25 – 10)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	#8 – #14 AWG (6 – 2.5)							HTCT250-2-1	Code	250 kcmil – #2 AWG (120 – 35)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	—	0.92 (23.4)	0.96 (24.4)	1.92 (48.8)	Purple PH25	1 (25)	1	Flex	4/0 – #2 AWG (95 – 35)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	—	HTCT250-250-1	Code	250 kcmil – #2 AWG (120 – 35)	250 kcmil – #2 AWG (120 – 35)	—	—	0.90 (22.9)	0.89 (22.6)	1.92 (48.8)	Purple PH25	1 (25)	1	Flex	4/0 – #2 AWG (95 – 35)	4/0 – #2 AWG (95 – 35)	—	—										
HTCT250-2-1	Code	250 kcmil – #2 AWG (120 – 35)	#2 – #6 AWG STR/SOL (25 – 16)	#8 – #14 AWG (6 – 2.5)	—	0.92 (23.4)	0.96 (24.4)	1.92 (48.8)	Purple PH25	1 (25)	1																																												
	Flex	4/0 – #2 AWG (95 – 35)	#2 – #8 AWG (25 – 10)	#8 – #14 AWG (6 – 2.5)	—							HTCT250-250-1	Code	250 kcmil – #2 AWG (120 – 35)	250 kcmil – #2 AWG (120 – 35)	—	—	0.90 (22.9)	0.89 (22.6)	1.92 (48.8)	Purple PH25	1 (25)	1	Flex	4/0 – #2 AWG (95 – 35)	4/0 – #2 AWG (95 – 35)	—	—																											
HTCT250-250-1	Code	250 kcmil – #2 AWG (120 – 35)	250 kcmil – #2 AWG (120 – 35)	—	—	0.90 (22.9)	0.89 (22.6)	1.92 (48.8)	Purple PH25	1 (25)	1																																												
	Flex	4/0 – #2 AWG (95 – 35)	4/0 – #2 AWG (95 – 35)	—	—																																																		

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