

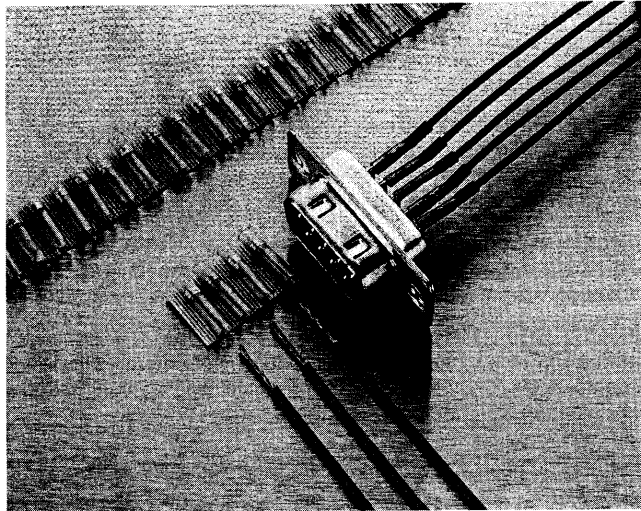
# Wire Termination to Pin/Post/Tab

SolderSleeve discrete wire terminators

Fax-on-Demand: (800) 260-9099  
(650) 361-6523

FAX ID Description  
5600 Data sheet

Before ordering check with  
factory for most current data.



## Applications

Used for terminating wires to component terminals, such as motor tabs, connector pins, and switch terminals.

## Features/Benefits

- Transparent Kynar or polyolefin insulation sleeve provides encapsulation, inspectability, strain relief, and insulation.
- Prefluxed solder preform offers a controlled soldering process.
- One-piece design means easy installation and low installed cost.
- Optional tape carrier provides convenience and ease of installation.
- UL and CUL Recognized.



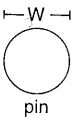
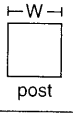

## Product Options

Product series	Max. operating temperature	Min. wire temperature rating
CWT	125°C	85°C
D-129, D-141, D-71X	150°C	125°C

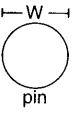


## Product Selection Process

1. Determine the application operating temperature.
2. From the Product Options table above, select the product series appropriate for the application, based on the temperature required.
3. Determine your component connection point type (pin, post, or tab) and dimensions.
4. Determine your wire gauge.
5. Optional: Select tape carrier center-to-center spacing (D-71X series only). This should match center spacing of component terminals.
6. Select part number from the appropriate table:
  - For CWT series (applications with low-temperature wires—below 125°C), use Table A.
  - For D-129/141/71X series (applications with wires rated higher than 125°C), use Table B.

**Table A. CWT Series (125°C rated) (mm/in)**

Connection-point type and size			Part Number
Terminal dimensions	Wire AWG/mm <sup>2</sup>		
 pin	W = up to 0.63 (.025)	24 (0.24)	CWT-1501
		20 (0.61)	CWT-1502
	W = 0.63 (.025) to 0.89 (.035)	24 (0.24)	CWT-1501
		22 (0.38)	CWT-1502
 post	W = 0.89 (.035) to 1.14 (.045)	24-22 (0.24-0.38)	CWT-1502
		20-18 (0.61-0.95)	CWT-1503
	W = 1.14 (.045) to 1.52 (.060)	24-22 (0.24-0.38)	CWT-1503
		20-18 (0.61-0.95)	CWT-1504
 tab	W = up to 1.52 (.060)	24-20 (0.24-0.61)	CWT-1501
	W = 1.27 (.050) to 2.28 (.090)	24-18 (0.24-0.95)	CWT-1502
	W = 1.77 (.070) to 2.79 (.110)	24-18 (0.24-0.95)	CWT-1503
		24-18 (0.24-0.95)	CWT-1504
	W = 2.54 (.100) to 3.80 (.150)	24-18 (0.24-0.95)	CWT-1504
	W = 2.28 (.090) to 4.70 (.187)	22-16 (0.38-1.21)	CWT-1505
	W = 3.30 (.130) to 6.40 (.250)	22-16 (0.38-1.21)	CWT-1506

**Table B. D-129/141/71X Series (up to 150°C rated) (mm/in)**

Connection-point type and size		Tape carrier spacing of sleeves (center-to-center)					
Terminal dimensions	Wire AWG mm <sup>2</sup>	None	Tape carrier spacing of sleeves (center-to-center)				
			1.27 (0.050)	2.76 (0.109)	3.17 (0.125)	4.0 (0.156)	
 pin	W = up to 0.61 (.024)	30-26 (0.05-0.15)	D-141-30	D-713-03			
		24-22 (0.24-0.38)	D-141-07		D-711-00		
	W = 0.63 (.025) to 0.81 (.032)	20 (0.61)	D-141-31		D-711-04	D-711-7	D-711-08
 post	W = 0.76 (.030) to 1.27 (.050)	24-20 (0.24-0.61)	D-141-56				
		W = up to 1.52 (.060)	24-20 (0.24-0.61)	D-129-05		D-714-01	
 tab	W = 1.27 (.050) to 2.28 (.090)	24-20 (0.24-0.61)	D-129-03			D-714-00	
	W = 2.28 (.090) to 3.55 (.140)	24-20 (0.24-0.61)	D-129-0043				

**For Fine Wire Terminations 0.15 mm<sup>2</sup> (26 AWG) and Smaller\* (mm/in)**

Part number*	Inside diameter		Length <sup>††</sup>
	As supplied**	Fully recovered <sup>†</sup>	
D-110-0062	1.0 (0.040)	0.6 (0.025)	16.0 (0.630)
D-110-0217	1.0 (0.040)	0.6 (0.025)	9.0 (0.360)
D-141-13	0.75 x 1.65 (0.030 X 0.065)	0.75 (0.030)	4.7 (0.185)
D-141-22	0.75 x 1.65 (0.030 X 0.065)	0.75 (0.030)	6.0 (0.240)
D-141-30	0.75 x 1.65 (0.030 X 0.065)	0.75 (0.030)	9.5 (0.375)

Note: Micro Solder Sleeve terminators are used for attaching leads smaller than 26 AWG (0.15 mm<sup>2</sup>) to terminals less than 0.6 mm (.025 in) wide.

\*The D-110 series sleeves are primarily for single wire terminations and do not have a wire stop. The D-141 series will accept either one or two wires; the parts have a built-in wire stop that will locate the wire approximately 0.76 mm (0.03 in) from bottom of terminal.

\*\*Minimum. Wire insulation must be smaller than this. When using the D-141 parts for two-wire terminations, the combined wire insulation diameters must be less than 1.5 mm (.060 in).

†Maximum. The combination of conductor diameter and terminal width and the wire insulation must be greater than this.

††The terminal length should be at least 1.2 mm (0.05 in) shorter than this. The wire strip length must be adjusted so that, when terminated, the exposed conductor is covered by the sleeve.