

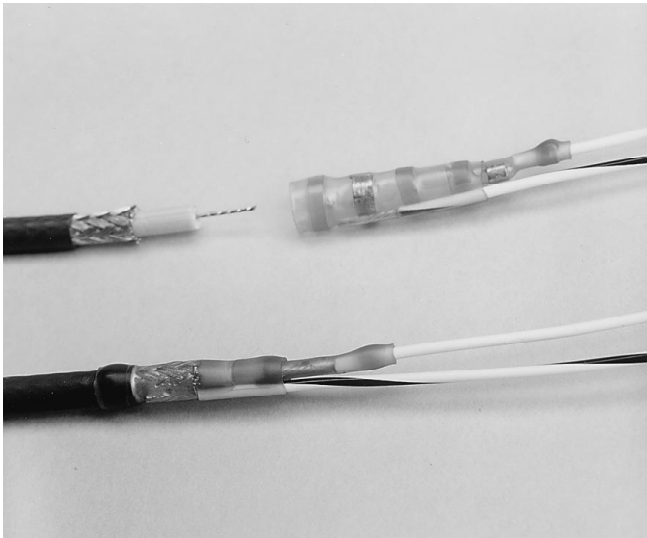
Coaxial Cable Termination

Solder Sleeve coaxial cable terminators

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

FAX ID	Description
5600	Data sheet
5000	Data sheet (CWT)

Before ordering check with factory for most current data.



Applications

Used for terminating coaxial cable to component terminals, contacts, printed circuit boards, and solderless wrap terminals.

Features/Benefits

- Transparent Kynar or polyolefin insulation sleeve provides encapsulation, inspectability, strain relief (eliminates center conductor breakage), and insulation.
- Prefluxed solder preform provides a controlled soldering process.
- One-piece design provides easy installation and lower installed cost.
- Preinstalled termination leads provide convenience and ease of installation.

Product Options

Product series	Continuous max. temp.	Use on cables rated	Cable shield plating	Part number selection table
CWT	125°C	85°C to 125°C	Tin, copper	A
B-02X/B-04X	150°C	125°C and above	Tin, silver	B

Product Selection Process

1. Select product series from the product options table above.
2. Select preinstalled lead type from the table below.
3. Determine cable RG number or dimensions.
4. Select part number from Table A (CWT series) or Table B (B-02X/B-04X series) on the next page.

Preinstalled Lead Descriptions

Series	Lead type	Plating	Stranding	AWG	Length in mm (in)	Color
CWT	XL polyethelene	Tin	Stranded (W1)	22	150 (6)	White (cntr), green (grnd)
B-021, B-04X	M81822/13 (solderless wrap)	Silver	Solid-OFHC	24—30	150 (6)	White (cntr), blue (grnd)
B-020, B-04X	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 (6)	White (cntr), white/black stripe (grnd)

Table A. CWT Series Part Numbers

Cable RG number	Dimensions in mm (in)		Part number
	Dielectric OD	Jacket OD	With preinstalled lead (22 AWG/0.38 mm ² green/white)
174	0.8–2.3 (.032–.091)	1.3–2.8 (.051–.110)	CWT-4174-W122-5/9
58, 122	2.0–2.8 (.079–.110)	2.5–4.4 (.100–.173)	CWT-4058-W122-5/9
59	2.8–3.3 (.110–.130)	3.2–6.0 (.125–.235)	CWT-4059-W122-5/9

Table B. B-02X/B-04X Series Part Numbers

The B-02X/B-04X series uses a one-piece design to terminate coaxial cables rated at 125°C minimum.

1. Using Part 1 of this table, select the appropriate coaxial product group (1, 2, or 3) based on your RG cable number, Raychem cable description, or cable dimensions.

2. Using Part 2 of this table, select the product part number based on the coaxial product group you selected in Part 1 and the appropriate pre-installed lead type you selected on the previous page.

Part 1: Coaxial Product Group Selection

Typical compatible part numbers		Dimension range (mm/in)				One-piece coaxial product group
RG cable number	Raychem cable description	Jacket OD (max.)	Shield OD	Dielectric OD	Conductor OD	
RG178, RG404	5030A13XX 5028A13XX	3.4 (.134)	1.3–2.3 (.051–.091)	0.5–1.7 (.019–.067)	0.3–0.8 (.011–.032)	Group 1
RG179, RG316	5024A13XX 7530A13XX 7526A13XX 9530A13XX	4.4 (.173)	1.5–2.8 (.060–.110)	1.2–2.5 (.047–.100)	0.3–1.6 (.011–.063)	Group 2
RG180, RG302, RG303	9527A13XX 9528A13XX	6.3 (.248)	2.4–4.6 (.094–.181)	1.4–4.3 (.055–.169)	0.3–2.8 (.011–.110)	Group 3

Part 2: Product Part Number Selection

One-piece coaxial product group	Preinstalled wire type	Preinstalled wire size					
		20 AWG	22 AWG	24 AWG	26 AWG	28 AWG	30 AWG
Group 1	Stranded (M22759)		B-044-22-N	B-044-24-N	B-044-26-N		
	Solid (M81822)			B-043-24-N	B-043-26-N	B-043-28-N	B-043-30-N
Group 2	Stranded (M22759)	B-040-20-N	B-040-22-N	B-040-24-N	B-040-26-N	B-040-28-N	B-040-30-N
	Solid (M81822)			B-041-24-N	B-041-26-N	B-041-28-N	B-041-30-N
Group 3	Stranded (M22759)	B-020-20-N	B-020-22-N	B-020-24-N	B-020-26-N		
	Solid (M81822)				B-021-26-N		

Material

Insulation (B-02X/B-04X)	Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride (Kynar)
Insulation (CWT series)	Radiation-crosslinked, heat-shrinkable polyolefin
Solder and flux (B-02X/B-04X)	Sn63 Pb37, RMA flux
Solder and flux (CWT series)	Sn50 Pb32 Cd18, RA flux

Typical performance

Voltage drop	2.0 mV
Tensile strength	Exceeds strength of conductor
Dielectric strength	2.0 kV
Temperature rating (CWT)	-55°C to 125°C
Temperature rating (B-02X/B-04X)	-55°C to 150°C
Insulation resistance	1000 megohms

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