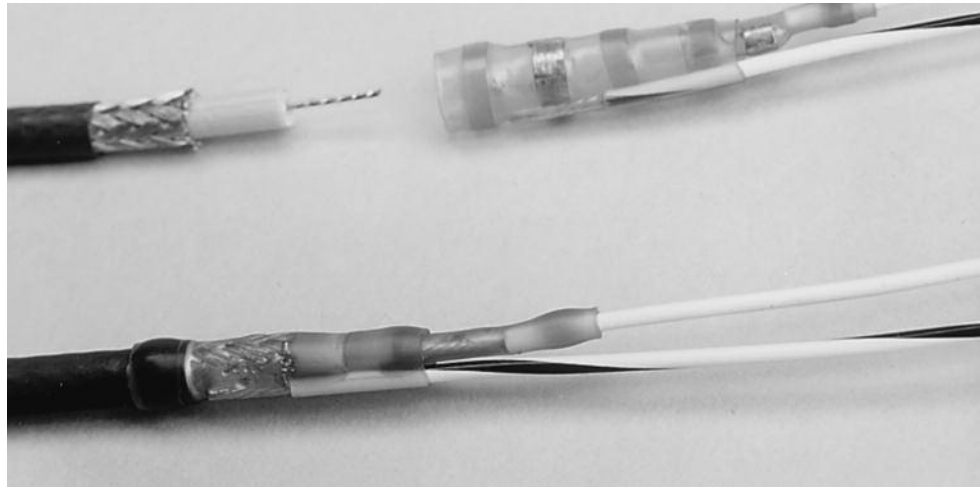


SolderSleeve Coaxial Cable Terminators

Product Facts

- Transparent polyvinylidene fluoride 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



Applications

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

Product Selection Process

1. Select product series from the product options table below.
2. Select preinstalled lead type from the table below.
3. Determine cable RG number or dimensions.
4. Select part number from Table A (B-155, CWT series) or Table B (B-02X/B-04X series) on the next page.

Product Options

Product Series	Max. Operating Temp.	Use on Cables Rated (Min)	Cable Shield Plating	Part No. Selection Table	Design
B-155, CWT	125°C [257°F]	85°C [185°F]	Tin, copper	A	2-pc.
B-02X/B-04X	150°C [302°F]	125°C [257°F]	Tin, silver	B	1-pc.
D-181	150°C [302°F]	125°C [257°F]	Tin, silver	C	2-pc.
D-184	125°C [257°F]	85°C [185°F]	Tin	D	2-pc.

Preinstalled Lead Descriptions

Series	Lead Type	Plating	Stranding	AWG	Length	Color
B-155, CWT	XL polyethelene	Tin	Stranded (W1)	22	150 [6.000]	White (cntr), green (grnd)
B-021	M81822/13 (solderless wrap)	Silver	Solid-OFHC	24—30	150 [6.000]	White (cntr), blue (grnd)
B-041	M81822/13 (solderless wrap)	Silver	Solid-OFHC	24—30	150 [6.000]	White (cntr), blue (grnd)
B-043	M81822/13 (solderless wrap)	Silver	Solid-OFHC	24—30	150 [6.000]	White (cntr), blue (grnd)
B-020	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), blue (grnd)
B-040	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), blue (grnd)
B-044	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), blue (grnd)
D-181-12XX	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), white w/black stripe (grnd)
D-181-22XX	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), white w/black stripe (grnd)
D-181-32XX	55A0111 (MIL-W-22759/32)	Tin	Stranded	20—30	150 [6.000]	White (cntr), white w/black stripe (grnd)
D-181-18XX	M81822/13	Silver	Solid	26 – 30	150 [6.000]	White (cntr), blue (grnd)
D-181-28XX	M81822/13	Silver	Solid	26 – 30	150 [6.000]	White (cntr), blue (grnd)
D-184	55A0111 (MIL-W-22759/32)	Tin	Stranded	20 – 26	150 [6.000]	White (cntr), white w/black stripe (grnd)

Product Characteristics

Material

Insulation (B-02X/B-04X, D-181, D-184)	Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride	
Insulation (B-155, CWT series)	Radiation-crosslinked, heat-shrinkable polyolefin	
Solder and flux (B-02X/B-04X, D-181)	Solder: Sn63 Pb37	Flux: ROL1 per ANSI-J-004 (RMA Flux)
Solder and flux (CWT series, D-184)	Solder: Sn50 Pb32 Cd18	Flux: ROM1 per ANSI-J-004 (RA Flux)
Solder and flux (B-155)	Solder: Sn42Bi58	Flux: ROM1 per ANSI-J-004 (RA Flux)

Typical Performance

Voltage drop	2.0 mV
Tensile strength	Exceeds strength of conductor
Dielectric strength	2.0 kV
Temperature rating (B-155, CWT, D-184)	-55°C to 125°C [-67°F to 257°F]
Temperature rating (B-02X/B-04X, D-181)	-55°C to 150°C [-67°F to 302°F]
Insulation resistance	1000 megohms

Available in:

- Americas ■
- Europe ■
- Asia Pacific ■

SolderSleeve Coaxial Cable Terminators (Continued)

Table A. B-155 Series Part Numbers

Cable RG Number	Dimensions		Part No. With Preinstalled Lead AWG/0.38 mm ² Green/White)
	Dielectric OD	Jacket OD	
174	0.80–2.30 [.032–.091]	1.30–2.80 [.051–.110]	CWT-4174-W122-5/9
58, 122	2.00–2.80 [.079–.110]	2.50–4.40 [.100–.173]	CWT-4058-W122-5/9
59	2.80–3.30 [.110–.130]	3.20–6.00 [.125–.235]	CWT-4059-W122-5/9

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

Part 1: Coaxial Product Group Selection

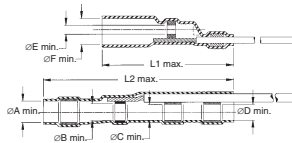
RG Cable Number	TE Cable Description	Dimension Range				One-Piece Coaxial Product Group
		Jacket OD (Max.)	Shield OD	Dielectric OD	Conductor OD	
RG178, RG404	5030A13XX 5028A13XX	3.40 [.134]	1.30–2.30 [.051–.091]	0.50–1.70 [.019–.067]	0.30–0.80 [.011–.032]	Group 1
RG179, RG316	5024A13XX 7530A13XX 7526A13XX 9530A13XX	4.40 [.173]	1.50–2.80 [.060–.110]	1.20–2.50 [.047–.100]	0.30–1.60 [.011–.063]	Group 2
RG180, RG302, RG303	9527A13XX 9528A13XX	6.30 [.248]	2.40–4.60 [.094–.181]	1.40–4.30 [.055–.169]	0.30–2.80 [.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	—	—

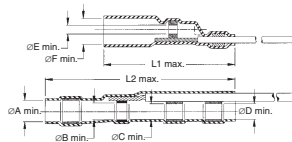
- The B-02X/B-04X series uses a one-piece design to terminate coaxial cables rated at 125°C minimum.
- Using Part 1 of this table, select the appropriate coaxial product group (1, 2, or 3) based on your RG cable number, TE cable description, or cable dimensions.
- Using Part 2 of this table, select the product part number based on the coaxial product group you selected in Part 1 and the appropriate preinstalled lead type you selected on the previous page.

Table C. D-181 Series Part Numbers



Product Name	Product Dimensions								Wire AWG
	A min.	B min.	C min.	D min.	E min.	F min.	L1 max.	L2 max.	
D-181-1220-90/9									20
D-181-1222-90/9									22
D-181-1224-90/9									24
D-181-1226-90/9	3.7 [0.145]	3.2 [0.125]	2.7 [0.105]	2.4 [0.095]	0.71 [0.028]	2.3 [0.09]	17 [0.67]	21.5 [0.85]	26
D-181-1826-6/9									26
D-181-1830-6/9									30
D-181-2220-90/9									20
D-181-2222-90/9									22
D-181-2224-90/9	4.5 [0.18]	4 [0.16]	3.45 [0.135]	2.9 [0.115]	1.1 [0.045]	3 [0.12]	17 [0.67]	22.7 [0.895]	24
D-181-2226-90/9									26
D-181-2826-6/9									26
D-181-2830-6/9									30
D-181-3220-90/9									20
D-181-3222-90/9									22
D-181-3224-90/9	5.2 [0.205]	4.7 [0.185]	4.45 [0.175]	3.95 [0.155]	1.3 [0.055]	4 [0.16]	17 [0.67]	21.5 [0.85]	24
D-181-3226-90/9									26
D-181-3826-6/9									26
D-181-3830-6/9									30

Table D. D-184 Series Part Numbers



Product Name	Product Dimensions								Wire AWG
	ϕA min.	ϕB min.	ϕC min.	ϕD min.	ϕE min.	ϕF min.	L1 max.	L2 max.	
D-184-1220-90/9									20
D-184-1222-90/9									22
D-184-1224-90/9									24
D-184-1226-90/9	3.7 [0.145]	3.2 [0.125]	2.7 [0.105]	2.4 [0.095]	0.71 [0.028]	2.3 [0.09]	17 [0.67]	21.5 [0.85]	26
D-184-2220-90/9									20
D-184-2222-90/9									22
D-184-2224-90/9	4.5 [0.18]	4 [0.16]	3.45 [0.135]	2.9 [0.115]	1.1 [0.045]	3 [0.12]	17 [0.67]	22.7 [0.895]	24
D-184-2226-90/9									26