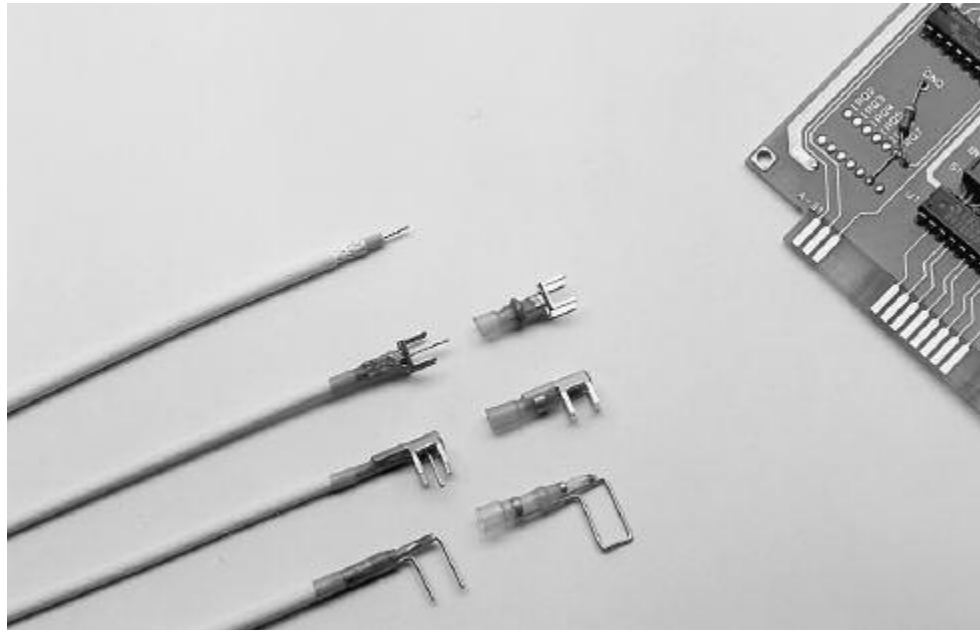


SolderSleeve PCB/Coaxial Cable Terminators

Product Facts

- Provides a completely shielded, low-resistance, matched-impedance termination with very low VSWR (D-607 series only)
- Transparent polyvinylidene fluoride insulation sleeve provides encapsulation, inspectability, strain relief, and insulation
- Prefluxed solder preform provides a controlled soldering process
- One-piece design offers easy installation and lower installed cost
- Preinstalled PCB termination body provides convenience and ease of installation



Applications

Used for terminating coaxial cable to printed circuit boards.

Installation

For proper installation of these devices, the correct heating tool and reflector attachment must be used. Any one of the following Raychem heating tools is recommended:

- HL1802E
- AA-400 Super Heater
- IR-1759 MiniRay
- CV-1981

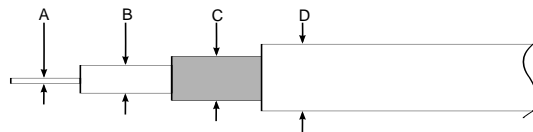
Refer to Raychem installation procedure ES61139 for detailed instructions and recommended reflector attachments.

You will find ordering information for these tools in Section 10.

Product Selection Process

1. Select product series from the Product Options table below.
 2. Determine cable RG number or outside diameter dimensions.
 3. Select the appropriate part number from Table A (D-607 series) or Table B (B-046 series).
- For D-607 (matched impedance) series, determine straight or right-angle entry to PCB and grid pattern, then select the appropriate part number from Table A on the next page.
 - For B-046 (PinPak, or pin to ground) series, determine hole spacing and diameter. Refer to Table B for product selection (see illustration below for cable dimensions).

Available in:	
Americas	■
Europe	■
Asia Pacific	■



Product Options

Product Series	Typical Application Performance	Shield Method	Part No. Selection Table
D-607	Matched impedance up to 2.3 GHz	Metal body	A
B-046	Effective transmission up to 100 MHz	Pin to ground	B

Specifications/Approvals

Series	Raychem
D-607	RT-1404
B-046	RT-1404

Table A. D-607 Series Part Numbers

RG Cable No.	Cable Dimensions (mm/in) Max. Outside Diameter			Part No. Entry to PCB		
	Jacket	Shield	Dielectric	Straight grid 5.08 [.200]	Right-Angle Grid 5.08 [.200]	Straight Grid 2.54 [.100]
174, 178, 179, 316, 404	1.5–3.55 [.060–.140]	1.1–3.15 [.045–.125]	0.60–2.25 [.025–.090]	D-607-09	D-607-10	D-607-40*

Table B. B-046 Series Part Numbers

RG Cable No.	Cable Dimensions				Pin Diameter	Part No.		
	A	B	C	D Max.		Spacing Between Pins 2.54 [.100]	5.08 [.200]	6.35 [.250]
178, 404	0.30–0.80 [.011–.032]	0.5–1.7 [.019–.067]	1.3–2.3 [.050–.091]	3.4 [.134]	0.6 [.023] 0.8 [.031]	B-046-14-N	B-046-10-N B-046-11-N	B-046-12-N B-046-13-N
179, 316	0.3–1.6 [.011–.063]	1.2–2.5 [.047–.100]	1.5–2.8 [.060–.110]	4.4 [.173]	0.6 [.023] 0.8 [.031]	B-046-15-N	B-046-66-N B-046-68-N	B-046-16-N B-046-18-N

Product Characteristics

Material	
Insulation	Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride
Solder and flux	Solder: Sn63 Pb37 Flux: ROL1 per ANSI - J - 004 (RMA flux)
Termination body/pin	Copper alloy, solder-plated
Typical Performance	
Voltage drop	2.0 mV
Tensile strength	Exceeds strength of conductor
Dielectric strength	2.0 kV
Temperature rating	-55°C to 150°C [-67°F to 302°F]
Insulation resistance	1000 megohms
Electrical Performance (typical) D-607 Series Only	
Frequency	VSWR (D-607-09, -40) VSWR (D-607-10)
350 MHz	1.04 max. 1.04 max.
700 MHz	1.05 max. 1.09 max.
2.3 GHz	1.09 max. 1.12 max.