

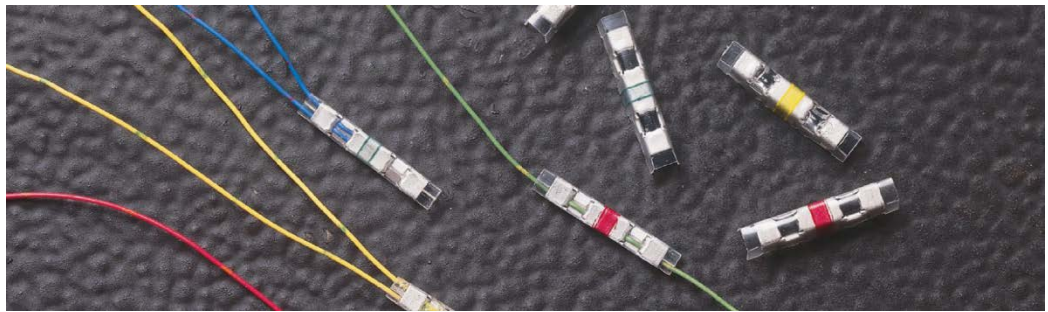
PICABOND connectors

CommScope's PICABOND connectors provide an economical and reliable method for splicing multi-conductor telephone cables.

They are manufactured from tin-plated phosphor bronze with bonded polyester insulation. Color coding of the insulation is provided to denote the wire size and weather-resistant type. Any solid-core wire, 28 to 19 AWG (0.32–0.90 mm)—with pulp, paper or plastic insulation—can be spliced.

PICABOND splices reduce the space required over other splicing techniques by up to 33 percent. Straight, butt, tap, and bridge splices can be made with these connectors.

Connectors can be used for splicing in the central office, a manhole, on an aerial pole, a pedestal and at demarcation points.



Features and benefits

- Lightweight, compact, and economical means of splicing multi-conductor telephone cable
 - Requires 33 percent less space than other comparable techniques
 - No pre-stripping or cutting required; fast and easy installation
 - Saves time—no pre-stripping or cutting required; can tap without service interruptions, eliminates “turndowns”
 - Versatile—Color coded to indicate size and type of wire; used for butt, straight, bridge and half-tap applications
- Economical—Lower applied cost

Specifications

Design and configurations

	Conductor size	PICABOND mini	PICABOND standard	PICABOND load coil
Number of wires per connector end	0.32–0.64 mm (22–28 AWG)	1	1 or 2	1 or 2
	0.9 mm (19 AWG)	1	1 or 1x 0.9 mm (19 AWG) and 1x 0.32–0.64 mm (22–28 AWG)	1 or 1x 0.9 mm (19 AWG) and 1x 0.32–0.64 mm (22–28 AWG)



Standard connector



Load coil connector



Mini connector

General attributes and mechanical characteristics

Technical documents:

Product specifications

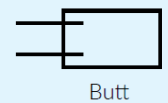
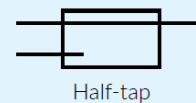
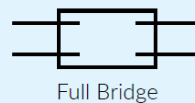
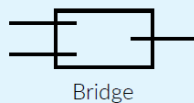
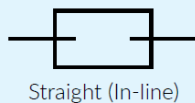
- 108-6009 PICABOND mini and standard
- 108-6011 std. and weather-resistant PICABOND
- 108-6014 PICABOND load coil
- 108-6015 PICABOND breakaway

Application specifications

- 114-6002 standard
- 114-6004 load coil
- 114-6006 breakaway
- 114-6025 mini

PICABOND—Standard

Typical Splicing Applications



Color code	Cable type and wire gauge			Part numbers		
	Air-core PIC	Foam-filled PIC	Pulp/paper	Loose piece	Strip	Bag of 55
Orange (6)	28–24 AWG 0.32–0.51 mm		28–24 AWG 0.32–0.51 mm	61899-1 (1)		
Green (6)	26–22 AWG 0.4–0.64 mm		26–22 AWG 0.4–0.64 mm	60945-4 (1) 1-60945-3 (2)	60944-6 (1)	406587-1
Red (6)	24–19 (3) AWG 0.5–0.9 mm		24–19 (3) AWG 0.5–0.9 mm	60947-3 (1) 394765 (2)	60946-4 (1)	406588-1
Purple weather-resistant	26–22 AWG 0.4–0.64 mm	26–24 AWG 0.4–0.5 mm		61226-2 (1) 61226-3 (2)	229915-2 (1)	406585-1
Yellow weather-resistant	24–19 AWG 0.5–0.9 mm	24–22 (4)–19 (3,5) AWG 0.5–0.63 (4)–0.9 (3,5) mm		61292-2 (1) 61292-3 (2)	229917-2 (1)	406586-1

(1) Loose pieces 1,000/box / strip 1,000/box

(2) Loose pieces 250/box

(3) One 19 AWG (.9 mm) wire on each end, .080 in. (2.03 mm) max. insulation diameter

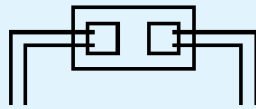
(4) Preferred usage

(5) Ins. OD .067–.080 in. (1.70–2.03 mm)

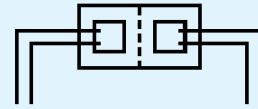
(6) RUS listed

PICABOND—load coil

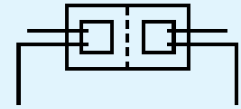
Typical Splicing Applications



Standard Load Coil



Breakaway Load Coil



Breakaway "Add Slack"

Color code	Cable type and wire gauge			Part numbers	
	Air-core PIC	Foam-filled PIC	Pulp/paper	Loose piece	Strip
Green/amber	26–22 (4) AWG 0.4–0.64 (4) mm		26–22 AWG 0.4–0.64 mm	552576-2 (1)	
Purple/amber weather-resistant	26–22 (4) AWG 0.4–0.64 (4) mm	26–22 (4) AWG 0.4–0.64 (4) mm		552639-2 (1)	552639-1 (1)
Green/amber breakaway	26–22 (4) AWG 0.4–0.64 (4) mm		26–22 AWG 0.4–0.64 mm	552647-2 (1)	
Purple/amber weather-resistant breakaway	26–22 (4) AWG 0.4–0.64 (4) mm	26–22 (4) AWG 0.4–0.64 (4) mm		552769-2 (1)	

PICABOND—Mini

Typical Splicing Applications



High Count Straight

Color code	Cable type and wire gauge		Part numbers	
	Air-core PIC	Pulp/paper	Loose piece	Strip
Blue	26–22 AWG 0.4–0.64 mm	26–22 AWG 0.4–0.64 mm	552041-4 (1) 394758-0 (2)	552041-3 (1)
Brown	24–19 AWG 0.5–0.9 mm	24–19 AWG 0.5–0.9 mm	552042-4 (1) 394759-1 (2)	552043-3 (1)
Pink	28–24 AWG 0.32–0.51 mm	28–24 AWG 0.32–0.51 mm	552466-4 (2)	552466-6 (1)

Accessories—tooling

Tool		Connector		
Description	Part number	Standard	Mini	
MR-1	MR-1 hand tool std.	251101-1	X	
MR-1	MR-1M hand tool mini	251101-4		X
VS-3 kit	VS-3 hand tool kit std.	244271-1	X	
VS-3 kit	VS-3 hand tool kit mini	244271-3		X
VS-3 kit	VS-3 hand tool kit comfort std.	244271-6	X	

Accessories and spare parts

Description	Applicable	Part number
Tool holder	VS-3, MR-1	299755-1
Wire support replacement kit	VS-3, MR-1 STD VS-3, MR-1 MINI	299188-1 299188-2
Crimp height gauge	Std. PICABOND connector Mini PICABOND connector	299230-1 299640-1
Cleaning kit	VS-3, MR-1	299333-1
Cutter blade Kit	MA-10, MA-6U	299314-1



MR-1 251101-1

Instruction sheets:

Tools

- 408-6539 VS-3 kit 244271-3
- 408-7280 VS-3 kit 244271-1, 244271-5, 244171-6
- 408-7306 MR-1 251101-1
- 408-7658 MR-1M 251101-4

Accessory items

- 408-3193 wire replacement kit for MA-6U
- 408-7474 wire replacement kit for VS-3 + MR-1
- 408-7534 cleaning kit
- 408-7655 tool holder for VS-3



VS-3 244271-1

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