

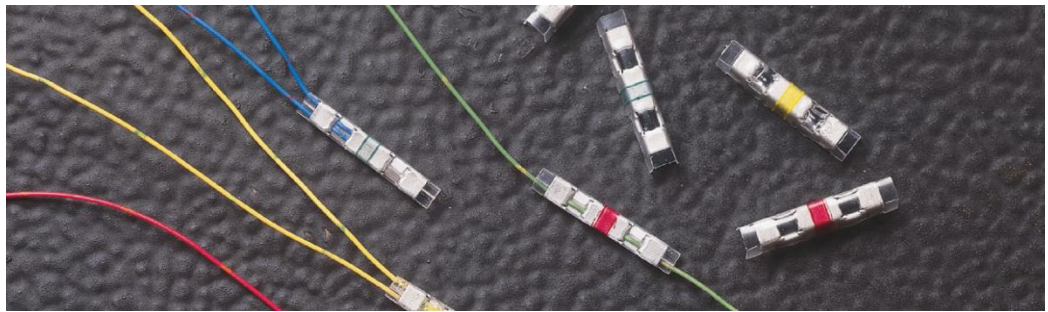
Picabond connectors

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%. 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, minimum

Specifications

Design and configurations

	Conductor size	Picabond mini	Picabond Standard	Picabond loadcoil
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 & mechanical characteristics

Technical documents:

Product specifications

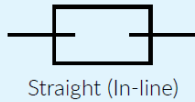
- 108-6009 PICABOND mine and std.
- 108-6011 Std. and weather resistant PICABOND
- 108-6014 PICABOND load coil
- 108-6015 PICABOND breakaway

Application specifications

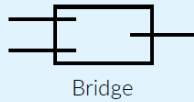
- 114-6002 Standard
- 114-6004 load coil
- 114-6006 breakaway
- 114-6025 mini

PICABOND – Standard

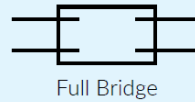
Typical Splicing Applications



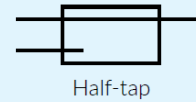
Straight (In-line)



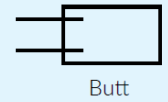
Bridge



Full Bridge



Half-tap



Butt

Color Code	Cable type and wire gauge			Part Numbers	
	Air Core PIC	Foam filled PIC	Pulp/Paper	Loose Piece	Strip
Orange (1)	28-24 AWG 0.32-0.51 mm		28-24 AWG 0.32-0.51 mm	61899-1	
Green (1)	26-22 AWG 0.4-0.64 mm		26-22 AWG 0.4-0.64 mm	60945-4	60944-6
Red (1)	24-19 (3) AWG 0.5-0.9 mm		24-19 (3) AWG 0.5-0.9 mm	60947-3	60946-4
Purple Weather Resistant	26-22 AWG 0.4-0.64 mm	26-24 AWG 0.4-0.5 mm		61226-2	229915-2
Yellow Weather Resistant	24-19 AWG 0.5-0.9 mm	24-22 (4)-19 (3,2) AWG 0.5-0.63 (4)-0.9 (3,2) mm		61292-2	229917-2

Loose Pieces - 1000pcs/box, Strip - 1000pcs on strip

(1) RUS Listed

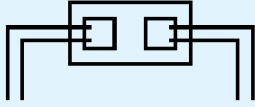
(2) Ins. O.D.067 - .080" (170 - 2.03mm)

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

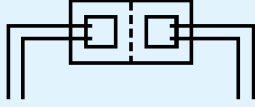
(4) Preferred Usage

PICABOND – Load Coil

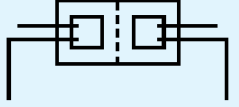
Typical Splicing Applications



Standard Load Coil



Breakaway Load Coil



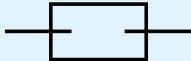
Breakaway "Add Slack"

Color Code	Cable type and wire gauge			Part Numbers
	Air Core PIC	Foam filled PIC	Pulp/Paper	Loose Piece
Green/Amber	26-22 (4) AWG 0.4-0.64 (4) mm		26-22 AWG 0.4-0.64 mm	552576-2
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
Green/Amber Breakaway	26-22 (4) AWG 0.4-0.64 (4) mm		26-22 AWG 0.4-0.64 mm	552647-2
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

Loose Pieces - 1000pcs/box
(4) Preferred Usage

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	552041-3
Brown	24-19 AWG 0.5-0.9 mm	24-19 AWG 0.5-0.9 mm	552043-4	552043-3
Pink	28-24 AWG 0.32-0.51 mm	28-24 AWG 0.32-0.51 mm	On Request	552466-6

Loose Pieces - 1000pcs/box, Strip - 1000pcs on strip

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

Accessories and spare parts

Description	Applicable	Part Number
Wire support	VS-3, MR-1 STD	299188-1
Replacement kit	VS-3, MR-1 MINI	299188-2
Crimp Height Gauge	Std PICABOND Connector Mini PICABOND Connector	299230-1 299640-1
Cleaning kit	VS-3, MR-1	299333-1



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

- 408-7474 wire replacement kit for VS-3 + MR-1
- 408-7534 cleaning kit



Contact information

Visit our website or contact your local CommScope representative for more information.

For technical assistance, customer service, or to report any missing/damaged parts, visit us at:

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