Picabond

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	2
	0.8-0.9 mm (20-19 AWG)*	1	1 or combination 1x 0.8-0.9 mm (20-19 AWG)* and 1x 0.5-0.64 mm (22-28 AWG)	NA

*NOTE: Only one 0.8-0.9mm (20-19 AWG) wire on each connector end

COMMSCOPE®

Standard connector

Load Coil connector

Mini connector

General attributes & mechanical characteristics

Technical documents:

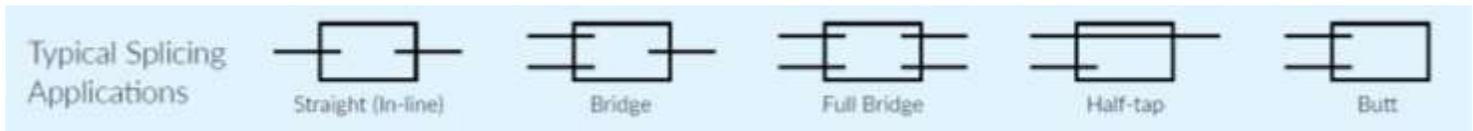*Product specifications*
    108-6009 PICABOND mine and std.
    108-6011 Std. and weather resistant PICABOND
    108-6014 PICABOND load coil
    108-6015 PICABOND breakaway

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

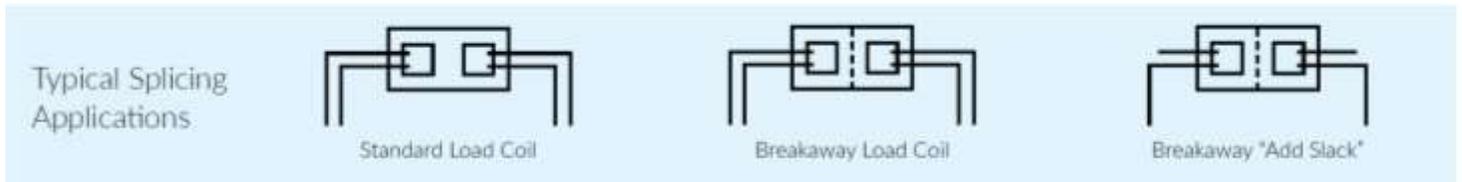|	Cable type and wire gauge			Part Numbers	
Color Code	Air Core PIC	Foam filled PIC	Pulp/Paper	Loose Piece	Strip
Orange (1)	28-24 AWG 0.32-0.51 mm		28-24 AWG 0.32-0.51 mm	61899-1	
Green (1)	26-22 AWG 0.4-0.64 mm		26-22 AWG 0.4-0.64 mm	60945-4	60944-6
Red (1)	24-19 (3) AWG 0.5-0.9 mm		24-19 (3) AWG 0.5-0.9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

Loose Pieces - 1000pcs/box, Strip - 1000pcs on strip
(1) RUS Listed
(2) Preferred Usage
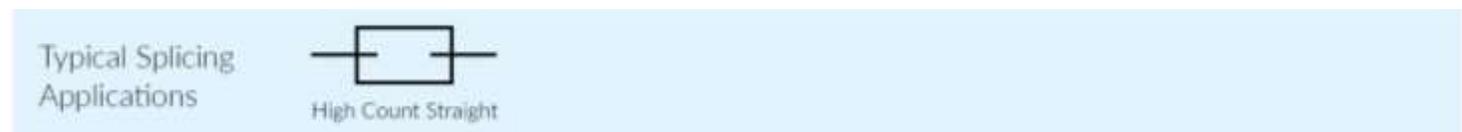(3) Only one 0.8-0.9mm (20-19 AWG) wire on each end, .0.80" (2.03mm) max. insulation diameter

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PICABOND – Load Coil

Typical Splicing Applications — Standard Load Coil, Breakaway Load Coil, Breakaway "Add Slack"

	Cable type and wire gauge			Part Numbers
Color Code	Air Core PIC	Foam filled PIC	Pulp/Paper	Loose Piece
Green/Amber	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm		26-22 AWG 0.4-0.64 mm	552576-2
Purple/amber Weather resistant	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm		552639-2
Green/Amber Breakaway	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm		26-22 AWG 0.4-0.64 mm	552647-2
Purple/amber Weather resistant Breakaway	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm	26-24(2) -22 AWG 0.4-0.51(2) -0.64 mm		552769-2

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

PICABOND – Mini

Typical Splicing Applications — High Count Straight

	Cable type and wire gauge		Part Numbers	
Color Code	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 (will be available for ordering Q2-2020)

Tool		Connector	
Description	Part Number	Standard	Mini
MR-1	MR-1 Hand Tool Std	9-251101-1	X	
MR-1	MR-1M Hand Tool Mini	9-251101-4		X
VS-3 kit	VS-3 Hand Tool Kit Std	9-244271-1	X	
VS-3 kit	VS-3 Hand Tool Kit Mini	9-244271-3		X
VS-3 kit	VS-3 Hand Tool Kit Std long handle	9-244271-6		X

Accessories and spare parts

Description	Applicable	Part Number
Wire support Replacement kit	VS-3, MR-1 STD	9-299188-1
	VS-3, MR-1 MINI	9-299188-2
Crimp Height Gauge	Std PICABOND Connector	299230-1
	Mini PICABOND Connector	299640-1
Cleaning kit	VS-3, MR-1	299333-1

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

VS-3 244271-1

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