

Connectors

PICABOND connectors provide an economical and reliable means of splicing multiconductor telephone cable.

Advantages:

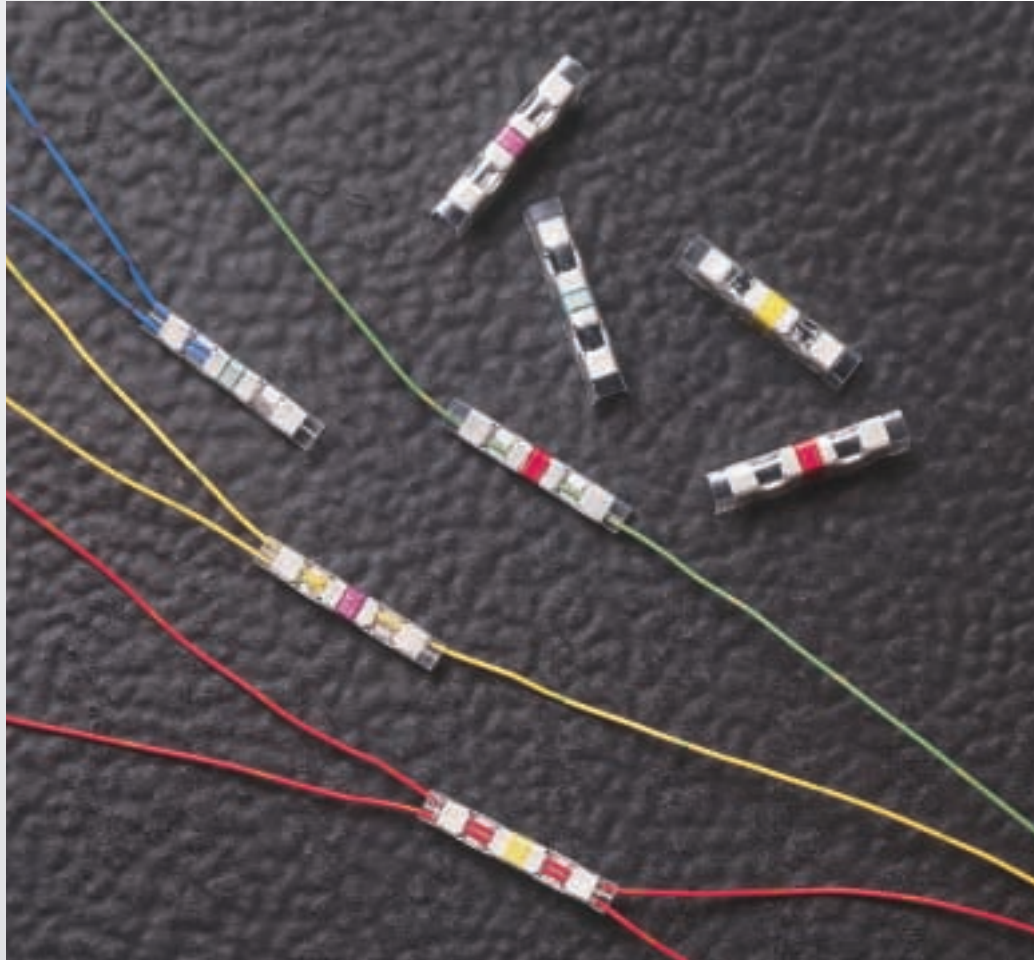
- Saves time — no prestripping or cutting required, can tap without service interruptions, eliminates “turndowns”
- Versatile — Color-coded to indicate size and type of wire; used for butt, straight, bridge and half-tap applications
- Economical — Lower applied cost, minimum training required, higher application rates

Applications:

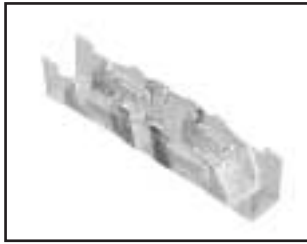
- Splicing
- Central Office
- Manhole
- Aerial Pole
- CEV
- Pedestal
- Demarcation Points

AMP PICABOND connectors are manufactured from tin-plated phosphor bronze and tin-plated brass with bonded polyester insulation. Color coding of the insulation is provided to denote 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.

Lightweight and compact, 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.

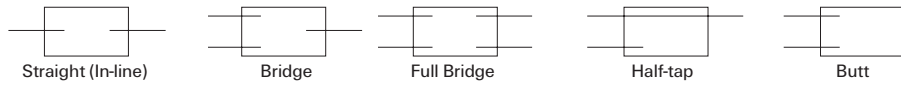


PICABOND



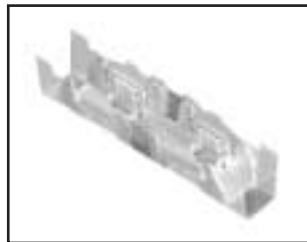
Standard Connector

Typical Splicing Applications



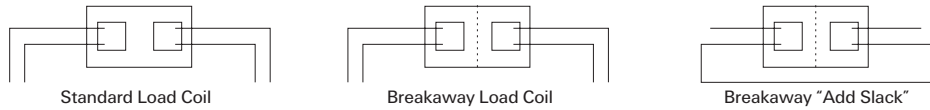
	Cable Types & Wire AWG				Part Numbers		
	Color Code	Air Core PIC	Foam Filled PIC	Pulp or Paper	Loose Piece	Strip	Bag of 55
Bronze	Orange	28-24	—	28-24	61899-1	—	—
	Green	26-22	—	26-22	60945-4	60944-6	406587-1
	Red	24-19†	—	24-19†	60947-3	60946-4	406588-1
	Purple Weather Resistant	26-22	26-24	—	61226-2	229915-2	406585-1
	Yellow Weather Resistant	24-19	24-22*-19**†	—	61292-2	229917-2	406586-1
	Tool Set-up	26-22	—	—	60945-8	—	—
Brass	Green	26-22	—	26-22	60945-1	—	—
	Red	24-19†	—	24-19†	60947-1	—	—
	Purple Weather Resistant	26-22	26-24	—	61226-1	229915-1	—
	Yellow Weather Resistant	24-19	24-22*-19**†	—	61292-1	229917-1	—

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



Load Coil Standard Connector

Typical Splicing Applications

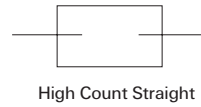


	Cable Types & Wire AWG				Part Numbers	
	Color Code	Air Core PIC	Foam/Filled PIC	Pulp or Paper	Loose Piece	Strip
Bronze	Green/Amber	26-24*-22*	—	26-22	552576-2	—
	Purple/Amber Weather Resistant	26-24*-22*	26-24*-22*	—	552639-2	552639-1
	Green/Amber Breakaway	26-24*-22*	—	26-22	552647-2	—
	Purple/Amber	26-24*-22*	26-24*-22	—	552769-2	—



Mini Connector

Typical Splicing Application



	Cable Types & Wire AWG				Part Numbers	
	Color Code	Air Core PIC	Foam/Filled PIC	Pulp or Paper	Loose Piece	Strip
Bronze	Blue	26-22	—	26-22	552041-4	552041-3
	Blue	26-22	—	26-22	552041-4	552041-1
Brass	Blue/White Weather Resistant	26-22	26-22	—	—	552439-1
	Brown	24-19	—	24-19	552043-2	552043-1
	Brown/White Weather Resistant	24-19	24-19	—	—	552440-1
	Pink	28-24	—	28-24	552466-2	—

Note:
 *Preferred Usage
 **Ins. O.D. .067-.080 (1.70-2.03)

Loose Piece—1000 per box
 Strip—1000 pieces
 Bag of 55—min. order 20 bags

Number of Wires per Connector End

AWG	Wire Size		Ins. O.D.	Connectors	
	mm			Standard	Mini
28-24	.32 - .5		.015 - .046	1 or 2	1
	.38 - 1.17				
26-22	.4 - .65		.018 - .048 .46 - 1.22	1 or 2	1
26-19	.4 - .9		.075 1.9	—	—
26-19	.5 - .9		.022 - .066 .56 - 1.68	(1) 19 AWG or (1) 19 AWG and (1) smaller than 19 AWG or 2 smaller than 19 AWG	1

PICABOND Tooling Selection Guide

For Standard and Load Coil Connectors

Tool Style	Part Number			
VS-BA Long Handle Comfort Hand Tool	244271-6 Hand Tool Only IS 408-7280 408-7326	229755-1 Tool Holder Only IS 408-7655		
VS-3 for loose-piece connectors	244271-1 Hand Tool Only IS 408-7280, 408-7326	244271-5 Hand Tool with Tool Holder IS 408-7280	229755-1 Tool Holder Only IS 408-7655	91334-1 Long Handle Upgrade Kit
MA-6U for strip or loose-piece connectors	231102-5 Applicator Kit with 30" (762) support bar, and 18" (457) extension IS 408-3168	231102-6 Applicator Kit with 30" (762) support bar, and 27" (686) extension IS 408-3168	231102-4 Applicator Kit with 30" (762) support bar IS 408-3168	231039-2 Applicator Only IS408-3168
MA-6B for loose-piece connectors	248010-3 Applicator Kit with 27" (686) extension IS-408-7418	248010-1 Applicator Kit w/o extension IS 408-7418	247329-1 Applicator Only IS 408-7418	
MR-1 (MR-1U) for loose-piece connectors	251101-1 Hand Tool Only IS 408-7306, 408-7449	251852-1 Tool Holder Only IS 408-7433, 408-7461		

For Mini Connectors

Tool Style	Part Number			
MA-10 for strip connectors	229528-5 or 229528-1 Applicator Kit IS 408-7445	229534-1 Applicator Only		
MVS-3 for loose-piece connectors	244271-3 Hand Tool Kit IS 408-6539	230971-2 Hand Tool Only	229755-1 Tool Holder Only IS 408-7655	

PICABOND Applicator Kits Contents

Each kit contains a mounting bar with J-hooks, an applicator clamp (to attach applicator bar), an instruction sheet, and support legs.

Note: The MA-10 Kit also contains a reel holder.



Technical Documents

To order any of these documents, call our 24-hour fax-on-demand line at 1-800-522-6752.

Product Specifications

108-6008 (Mini Strip)
108-6009 (Mini)
108-6011 (Standard)
108-6014 (Mini Strip)
108-6015 (Mini Strip)

Application Specifications

114-6002 (Standard)
114-6004 (Load Coil)
114-6006 (Load Coil)
114-6012 (Mini)
114-6025 (Mini)

Instruction Sheets

408-6513 (Standard, Load Coil, Mini Strip)
408-6539 (Mini)
408-7418 (Standard, Load Coil LP)
408-7457 (Standard, Load Coil LP)
408-7657 (Mini)
408-7658 (Mini)

PICABOND Tools and Accessories

VS-3 and VS-3A Hand Tool and Tool Holder (to be used with loose-piece standard and load coil connectors)

MVS-3 and VS-3A Hand Tool (to be used with loose-piece mini connectors)

These tools feature ratchet control which provides positive crimping action. The cycle must be completed before the handles are released. The VS-3 VS-3A and tool will accept all loose-piece standard and load coil connectors. The MVS-3 tool will accept all loose-piece mini connectors.

The tool holder for use with VS-3, VS-3A, and MVS-3 hand tools is specifically designed to clamp directly onto the strand allowing the craftsman free use of both hands for tool operation. The holder is supplied with an adjustable locking device which provides total insulation between the strand and tool. In addition to aerial applications, it can be used for buried and underground installations. Refer to PICABOND Tooling Selection Guide.

MA-6 Applicator Kit (to be used with loose-piece standard and load coil connectors)

MA-6B Applicator Kit (to be used with loose-piece standard and load coil connectors)

MA-6U Applicator Kit (to be used with strip or loose-piece standard and load coil connectors)

These applicators are ideally suited for all large count (in-line or butt) bridging and tapping operations using standard strip foam and load coil PICABOND connectors. Half-tap splicing can also be done with no interruption of service. The tool can be mounted conveniently on all cable (aerial, buried, vault, or underground). These applications also feature ratchet control.

MR-1 (MR-1U) Hand Tool and Holder (to be used with loose-piece standard and load coil connectors)

This tool is designed to crimp PICABOND connectors in through, tapping and bridging operations. The tool can be hand-held or it can be used in the Tool Holder. The tool features two wire supports, a set of dies (anvils and crimpers), a wire cutter and a handle assembly.

MA-10 Applicator Kit (to be used with strip mini connectors)

This applicator provides high-speed reliable straight splicing, a pair at a time. One complete revolution of the handle accomplishes all required operations: wire cutting, crimping, and indexing the next two connectors into position for the following pair. This tool can be used for all aerial, buried, vault, and underground applications.

PICABOND Tooling Accessory Items

Description	Applicable	Part Number	Instruction Sheet
Wire Support Replacement Kit	(MA-6) (MA-10) (MA-6U) (VS-3, MR-1)	229284-1 229430-1 231282-1 229188-1	408-7670 408-7581 408-3193 408-7474
Extension Bar	18 in. (457 mm) (MA-10) 27 in. (686 mm) (MA-10) 18 in. (457 mm) (MA-6, MA-6U) 27 in. (686 mm) (MA-6, MA-6U)	229308-3 229308-4 229308-1 229308-2	408-7445 408-7445 408-3168 408-7475
Crimp Height Gage	(Std. PICABOND Connectors) (Mini PICABOND Connectors)	229230-1 229640-1	— —
Cleaning Kit	(VS-3, MA-6, MA-6U) (MR-1) (MA-10)	229333-1 81041-1 229334-1	408-7534 408-9408 408-7534
Cleaner-Lubrication	(WD-40)	24358-3	—
Shear Pin Kit	(MA-10)	229313-1	408-7638
Cutter Blade Kit	(MA-10, MA-6U)	229314-1	—
Carry Case	(MR-1)	229200-1	—
Wire Hold Back	(MA-6)	229668-1	408-7619

PICABOND VS-3 and VS-3A Tool

VS-3 Hand Tool Training Video
198140—NTSC version
199608—Pal version

Comprehensive Tool Training Video
198017—NTSC version
199511—PAC version



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