COMMSCOPE®

PICABOND

Connectors

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

PICABOND connectors are manufactured from tinplated 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.

Features

- Lightweight, compact, and economical means of splicing multiconductor telephone cable

- Requires 33% less space than other comparable techniques

- No prestripping or cutting required; fast and easy installation

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

Applications

- Splicing

- Central Office

- Manhole

- Aerial Pole

- CEV

- Pedestal

- Demarcation Points

For more information, visit commscope.com

For Standard and Load Coil Connectors

Tool Style	Part Number	Instruction Sheet
VS-BA Long Handle Comfort Hand Tool		
Hand Tool Only	244271-6	408-7280, 408-7326
Tool Holder Only	229755-1	408-7655
VS-3 for Loose Piece Connectors		
Hand Tool Only	244271-1	408-7280, 408-7326
Hand Tool with Tool Holder	244271-5	408-7280
Tool Holder Only	229755-1	408-7655
Long Handle Upgrade Kit	91333-1	
MA-6U for Strip or Loose Piece Connectors		
Applicator Kit w/30" (762) support bar and 18" (457) extension	231102-5	408-3168
Applicator Kit w/30" (762) support bar and 27" (686) extension	231102-6	408-3168
Applicator Kit w/30" (762) support bar	231102-4	408-3168
Applicator Only	231039-2	408-3168
MA-6B for Loose-Piece connectors		
Applicator Kit w/27" (686) extension	248010-3	408-7418
Applicator Kit w/o extension	248010-1	408-7418
Applicator Only IS	247329-1	408-7418
MR-1 (MR-1U) for Loose Piece Connectors		
Hand Tool only	251101-1	408-7306, 408-7449

For Mini Connectors

| MA-10 for strip connectors		
Applicator Kit	229528-5 or 229528-1	408-7445
Applicator Only	229534-1	
MVS-3 for Loose Piece Connectors		
Hand Tool Kit	244271-3	408-6539
Hand Tool Only	230971-2	
Tool Holder Only	229755-1	408-7655N

Standard Connector

Load Coil Standard Connector

PICABOND Connector Tooling Accessory Items

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

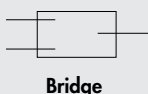

Mini Connector

For more information, visit commscope.com

Typical Splicing Applications
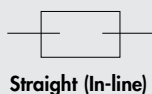
Straight (In-line)	Bridge	Full Bridge	Half-tap	Butt
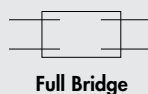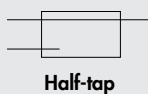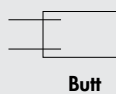
		Cable Types & Wire AWG			Part Numbers		
	Color Code	Air Core PIC	Foam Filled PIC	Pulp or Paper	Loose Piece	Strip	Bag of 55
Bronze	Orange[6]	28-24	—	28-24	61899-1[1]	—	
	Green[6]	26-22	—	26-22	60945-4[1]	60944-6	406587-1
	Red[6]	24-19[3]	—	24-19[3]	60947-3[1]	60946-4	406588-1
	Purple Weather Resistant	26-22	26-24	—	61226-2[1] 61226-3[2]	229915-2	406585-1
	Yellow Weather Resistant	24-19	24-22[4]-19[5, 3]	—	61292-2[1] 61292-3[2]	229917-2	406586-1
	Tool Set-up	26-22	—	—	60945-8		
Brass	Green	26-22	—	26-22	60945-1[1]	—	
	Red	24-19[3]	—	24-19[3]	60947-1[1]	—	
	Purple Weather Resistant	26-22	26-24	—	61226-1[1]	229915-1	
	Yellow Weather Resistant	24-19	24-22[4]-19[5, 3]	—	61292-1[1]	229917-1	

[1]Loose Pieces: 1000/box
 Strip   1000/box
[2]Loose Pieces 250/box
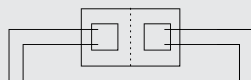[3]One 19 AWG (.9mm) wire on each end, .080"
 (2.03mm) max. insulation diameter

[4]Preferred Usage
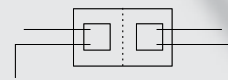[5]Ins. O.D. .067 - .080" (1.70 - 2.03mm) [6]RUS Listed

Typical Splicing Applications

Standard Load Coil	Breakaway Load Coil	Breakaway "Add Slack"

		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[4]-22[4]	—	26-22	552576-2	—
	Purple/Amber Weather Resistant	26-24[4]-22[4]	26-24[4]-22*	—	552639-2	552639-1
	Green/Amber Breakaway	26-24[4]-22[4]	—	26-22	552647-2	—
	Purple/Amber Weather Resistant Breakaway	26-24[4]-22[4]	26-24[4]-22	—	552769-2	—

Typical Splicing Applications

High Count Straight

		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[1]	552041-3
Brass	Blue	26-22	—	26-22	552041-2[2] 1-552041-3[1]	552041-1
	Brown	24-19	—	24-19	552043-2[1]	552043-1
	Pink	28-24	—	28-24	552466-2[2]	—

Number of Wires per Connector End		Wire Size Standard/Loadcoil	Connectors Mini
	AWG		
	22 - 28	1 or 2	1
	19	1 or 1 (19) and 2 (22 - 28)	1

**PICABOND Connector
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.

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)

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