

Telephone Cable Splice Connectors

Tel-Splice connectors provide an economical and reliable means of splicing telephone cable conductors.

Advantages:

- Durable – Highly resistant to moisture and chemical attack; flame retardant models available.
- Economical – Lower applied cost; IDC, installation displacement connectors, gas tight connections, no prestripping required, means minimal operator preparation.
- Versatile – Available filled or unfilled; color coded for easy identification: 2-wire, 3-wire, half-tap and Clear & Cap in loose piece or cartridge.

Applications:

- Load Coils
- Stub Cables
- Ready Access Terminals
- Trunk and Tool Cables



Tel-Splice

Tel-Splice Matrix TUS and Cartridge Version

Description	Gel	Style	TUS						Cartridge		
			Housing Color	Contact Material ²	Max ID/OD	Part Numbers			Part Numbers		
						100/Box	500/Tub	1,000/Tub	14/Cart. ³	56/Cart.	72/Cart.
2-Wire	Filled	TUS	Translucent	PBTP	0.080-2.03	1-552795-2 ⁴		552795-2 ⁴	555790-1		552966-2
	Dry	TUS	Yellow	PBTP	0.080-2.03	1-552795-4		552795-4 ⁴	555790-2		552966-4
	Dry	TUS	Clear F/R	PBTP	0.080-2.03	1-553395-1 ⁵		555395-1 ⁵			552966-5
	Filled	TUS	Translucent	BTP	0.080-2.03			552795-1			
	Dry	TUS	Yellow	BTP	0.080-2.03			552795-3			
	Filled	TUS	Clear F/R	PBTP	0.080-2.03			553395-3 ⁵			
3-Wire	Filled	TUS	Translucent	PBTP	0.080-2.03	1-552678-2	552678-2 ⁴	555791-1	555791-1		555965-2
	Dry	TUS	Yellow	PBTP	0.080-2.03	1-552678-4	552678-4		555791-2		552965-4
	Dry	TUS	Clear F/R	PBTP	0.080-2.03	1-553759-1 ⁵			406908-1		
	Filled	TUS	Translucent UV	BTP	0.080-2.03	558050-1					
	Filled	TUS	Translucent	BTP	0.080-2.03	1-552678-6					
	Dry	TUS	Yellow	BTP	0.080-2.03		552678-3				
	Filled	TUS	Red	PBTP	0.080-2.03	1-552678-7					
	Filled	TUS	Clear F/R	PBTP	0.080-2.03	553759-4 ⁵		553759-3 ⁵			
1/2 Tap	Filled	TUS	Translucent Blue	BTP	0.080-2.03	1-553017-1		553017-1 ⁴			
	Filled	TUS	Translucent Blue	PBTP	0.080-2.03	1-553017-2		553017-2			553744-2
	Filled	TUS	Green	PBTP	0.080-2.03	1-553017-7					
	Dry	TUS	Yellow	PBTP	0.080-2.03	1-553017-4		553017-4			553744-4
	Dry	TUS	Clear F/R	PBTP	0.080-2.03	1-553397-1 ⁵		553397-1 ⁵			553744-5
	Filled	TUS	Clear F/R	PBTP	0.080-2.03			553397-3 ⁵			
Clear & Cap	Filled	TUS	Green	N/A	0.080-2.03	5-554374-1		5-554374-3	555792-1		554897-1
	Dry	TUS	Yellow	N/A	0.080-2.03	5-554374-2		5-554374-4			554897-2

¹ Must be ordered in multiples of 10 cartridges

² PBTP = Phosphor Bronze Tin Plated

BTP = Brass Tin Plated

³ For use in 3M's E-9C Cartridge tool

⁴ RUS Listed

⁵ UL Listed, File No. E81956

⁶ Must be ordered in multiples of 25 cartridges

Operating Temp for TUS Tel-Splice 2 wire, 3 wire and 1/2 tap is -40C to 90C except for Flame Retardant (F/R) versions which have a range of -40C to 100C

Maximum wire range for TUS Tel-Splice is 0.080"/2.03mm

Technical Specifications:

108-6021 all 2 wire, 3 wire, and 1/2 tap versions, except Flame Retardant

108-6042 all Flame Retardant versions

108-6075 Clear & Cap

MSDS for filled product 125-6332

Product Overview

Tel-Splice TSP Version

Loose Piece			Housing	Contact	Part Numbers				
Description	Sealant	Style	Color	Material	Max ID/OD	100/Box	250/Box	400/Box	500/Box
2-Wire	Filled	TSP	Blue	Brass	.080"/2.03mm	737636-2			

Operating Temp is -25C to 75C

Insulation Diameter as shown 0.080"/2.03mm

Wire Range 19-24awg/0.4-0.9mm

Industry standards - BT listing on Tel-Splice

Technical Specifications 108-22040

MSDS for filled product 125-6332

Tel-Splice THG Version

Loose Piece			Housing	Contact	Part Numbers				
Description	Sealant	Style	Color	Material	Max ID/OD	100/Box	250/Box	400/Box	500/Box
2-Wire	Filled	THG	Translucent	Brass	0.064-1.63				342583-2
	Filled	THG	Translucent	Brass				343586-2	
3-Wire	Filled	THG	Translucent	Brass			342816-2		

Operating Temp is -25C to 75C

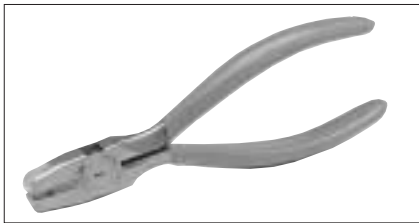
Insulation Diameter as shown 0.064"/1.63mm

Wire Range 19-24awg/0.4-0.9mm

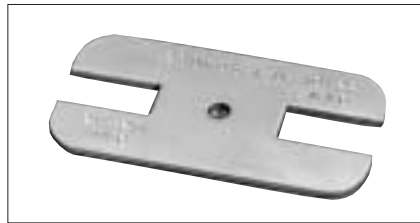
Industry standards - BT listing on Tel-Splice

Technical Specifications 108-3079, 3038, 3050

Hand Tools for Loose Piece Applications

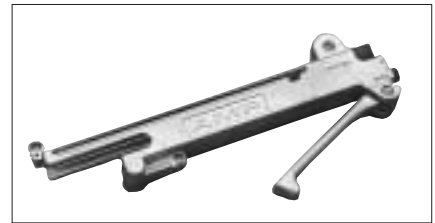


Economy (E.T.) Tool:
Part Number 231839-1



Crimp Handle Gauge:
Part Number 230495-1
Used to check proper crimp height of terminated connectors.

Hand Tool for Cartridge Application



Cartridge Tool (for TUS version only):
Part Number 230722-1
Tool has built-in gauge slots to check crimp height.
Note: Single Track cartridges (14/cartridges) fit 3M E-9C Tool.

Technical Documents:

Instruction Sheets

408-3183, 408-4235, 408-6502, 408-6506

Application Specifications

114-21003 (2-Wire)

114-6010 (TS-2, Half-Tap)



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