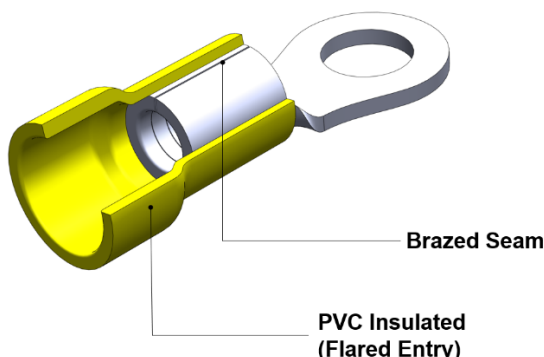
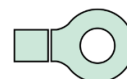


Solderless Terminals



RING TONGUE (R Type) PVC-Insulated (Flared Entry)



Features:

- **Flared Entry:** Guided design to facilitate consistent highspeed crimping and reliable electrical performance.
- **Oxygen-free copper:** Excellent electrical characteristics.
- **Electroplating:** Offering superior corrosion resistance, terminals are plated using a special method developed by JST

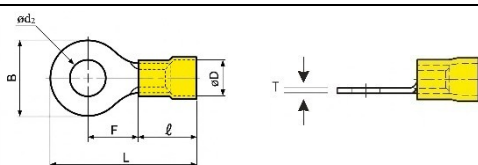
Specifications:

- Operating temperature: 75°C (Max)
- Insulation Material: PVC (UL94V-0)
- Voltage: 600V (UL), 300V (CSA)

Product Environmental Compliance:

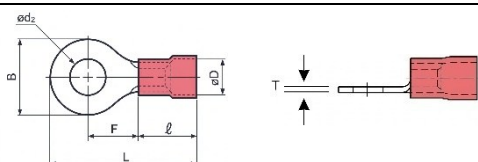
- RoHS10 (Directive (EU) 2015/863) Compliant.
- REACH (SVHC): Contact JST for details.

Standards: E42024 LR20812



- Colour: **Yellow**
- Applicable Wire Size mm² (AWG#): **0.2 to 0.5 (26 to 22)**
- Current rating: **4A (0.5mm²)***
- Crimp Tensile Strength: **36N (0.30mm²)***
- Applicable Hand Tool: **YNT-2622** (See page; 3)

Stud size (in.)	Part No.	Notes	Dimensions						
			ød ₂	B	L	F	ℓ	øD	T
M2 (#2)	FV0.5-2 (LF)K		2.2 (.087)	5.2 (.205)	16.4 (.646)	5.8 (.228)	8.0 (.315)	2.9 (.114)	0.5 (.020)
M3 (#4)	FV0.5-3 (LF)K		3.2 (.126)	5.2 (.205)	16.4 (.646)	5.8 (.228)			
M3.5 (#6)	FV0.5-3.7 (LF)K		3.7 (.146)	6.6 (.260)	19.0 (.748)	7.7 (.303)			
M4 (#8)	FV0.5-4 (LF)K		4.3 (.169)	6.6 (.260)	19.0 (.748)	7.7 (.303)			
M5 (#10)	FV0.5-5 (LF)K		5.3 (.209)	8.0 (.315)	19.0 (.748)	7.0 (.276)			



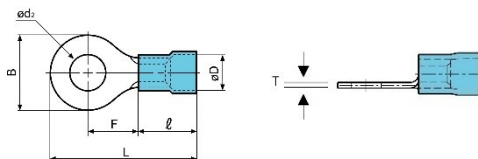
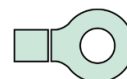
- Colour: **Red**
- Applicable Wire Size mm² (AWG#): **0.25 to 1.65 (22 to 16)**
- Current rating: **19A (1.25mm²)***
- Crimp Tensile Strength: **200N (1.25mm²)***
- Applicable Hand Tool: **YNT-2216 & JI-2210** (See page; 3)

Stud size (in.)	Part No.	Notes	Dimensions						
			ød ₂	B	L	F	ℓ	øD	T
M2 (#3)	FV1.25-2 (LF)K		2.2 (.087)	5.5 (.217)	15.7 (.618)	4.0 (.157)	9.0 (.354)	4.0 (.157)	0.8 (.031)
M3 (#4)	FV1.25-3 (LF)K		3.2 (.126)	5.5 (.217)	15.7 (.618)	4.0 (.157)			
M3 (#4)	FV1.25-MS3 (LF)K		3.2 (.126)	5.5 (.217)	17.4 (.685)	5.6 (.220)			
M3 (#4)	FV1.25-L3 (LF)K		3.2 (.126)	8.0 (.315)	20.0 (.787)	7.0 (.276)			
M3.5 (#6)	FV1.25-3.7 (LF)K		3.7 (.146)	5.5 (.217)	15.7 (.618)	4.0 (.157)			
M3.5 (#6)	FV1.25-M3 (LF)K		3.7 (.146)	6.6 (.260)	18.6 (.732)	6.3 (.248)			
M4 (#8)	FV1.25-M4 (LF)K		4.3 (.169)	6.6 (.260)	18.6 (.732)	6.3 (.248)			
M4 (#8)	FV1.25-4 (LF)K		4.3 (.169)	8.0 (.315)	20.0 (.787)	7.0 (.276)			
M5 (#10)	FV1.25-5 (LF)K		5.3 (.209)	8.0 (.315)	20.0 (.787)	7.0 (.276)			
M6 (1/4")	FV1.25-6 (LF)K		6.4 (.252)	11.6 (.457)	25.9 (1.020)	11.1 (.437)			
M8 (5/16")	FV1.25-8 (LF)K		8.4 (.331)	11.6 (.457)	25.9 (1.020)	11.1 (.437)			
M10 (3/8")	FV1.25-10 (LF)K		10.5 (.413)	13.6 (.535)	29.7 (1.169)	13.9 (.547)			
M12 (1/2")	FV1.25-12 (LF)K	WS version only	13.0 (.512)	19.0 (.748)	35.2 (1.386)	16.7 (.657)			

Solderless Terminals

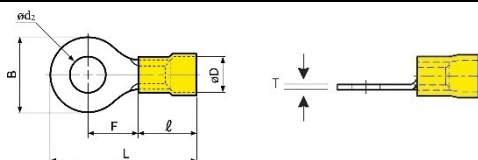


RING TONGUE (R Type) PVC-Insulated (Flared Entry)



- Colour: **Blue**
- Applicable Wire Size mm² (AWG#): **1.04 to 2.63 (16 to 14)**
- Current rating: **27A (2.00mm²)***
- Crimp Tensile Strength: **290N (2.00mm²)***
- Applicable Tool: **YNT-1614 & JI-2210** (See page; 3)

Stud size (in.)	Part No.	Notes	Dimensions						
			ϕd_2	B	L	F	ℓ	ϕD	T
M3 (#4)	FV2-MS3 K		3.2 (.126)	5.5 (.217)	17.4 (.685)	5.6 (.220)	9.0 (.354)	4.5 (.177)	0.8 (.031)
M3 (#4)	FV2-S3.3 K		3.2 (.126)	6.4 (.252)	16.5 (.650)	4.3 (.169)			
M3 (#4)	FV2-3 K		3.2 (.126)	8.5 (.335)	21.0 (.827)	7.8 (.307)			
M3.5 (#6)	FV2-S3 K		3.7 (.146)	6.4 (.252)	16.5 (.650)	4.3 (.169)			
M3.5 (#6)	FV2-M3 K		3.7 (.146)	6.6 (.260)	18.6 (.732)	6.3 (.248)			
M3.5 (#6)	FV2-P3.5 K		3.7 (.146)	7.0 (.276)	20.2 (.780)	7.7 (.303)			
M4 (#8)	FV2-M4 K		4.3 (.169)	6.6 (.260)	18.6 (.732)	6.3 (.248)			
M4 (#8)	FV2-P4 K		4.3 (.169)	7.0 (.276)	20.2 (.800)	7.7 (.303)			
M4 (#8)	FV2-4 K		4.3 (.169)	8.5 (.335)	21.0 (.827)	7.8 (.307)			
M5 (#10)	FV2-M5 K		5.3 (.209)	8.5 (.335)	21.0 (.827)	7.8 (.307)			
M5 (#10)	FV2-5 K		5.3 (.209)	9.5 (.374)	21.0 (.827)	7.3 (.287)			
M6 (1/4")	FV2-6 K		6.4 (.252)	12.0 (.472)	26.0 (1.024)	11.0 (.433)			
M8 (5/16")	FV2-8 K		8.4 (.331)	12.0 (.472)	26.0 (1.024)	11.0 (.433)			
M10 (3/8")	FV2-10 K		10.5 (.413)	13.6 (.535)	29.7 (1.169)	13.9 (.547)			
M12 (1/2")	FV2-12 K		13.0 (.512)	19.0 (.748)	35.2 (1.386)	16.7 (.657)			
M14 (9/16")	FV2-14 K		15.0 (.591)	27.0 (1.063)	43.7 (1.720)	21.2 (.835)			
M16 (5/8")	FV2-16 K		17.0 (.669)	27.0 (1.063)	43.7 (1.720)	21.2 (.835)			
M20 (3/4")	FV2-20 K		21.0 (.827)	27.0 (1.063)	43.7 (1.720)	21.2 (.835)			



- Colour: **Yellow**
- Applicable Wire Size mm² (AWG#): **2.63 to 6.64 (12 to 10)**
- Current rating: **48A (5.50mm²)***
- Crimp Tensile Strength: **780N (5.50mm²)***
- Applicable Hand Tool: **YNT-1210s & JI-2210** ((See page; 3)

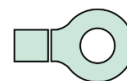
Stud size (in.)	Part No.	Notes	Dimensions						
			ϕd_2	B	L	F	ℓ	ϕD	T
M3 (#4)	FV5.5-S3.3 (LF)K		3.2 (.126)	7.2 (.283)	23.0 (.906)	5.9 (.232)	13.5 (.531)	6.8 (.268)	1.0 (.039)
M3 (#4)	FV5.5-3 (LF)K		3.2 (.126)	9.5 (.374)	26.5 (1.403)	8.3 (.327)			
M3.5 (#6)	FV5.5-S3 (LF)K		3.7 (.146)	7.2 (.283)	23.0 (.906)	5.9 (.232)			
M3.5 (#6)	FV5.5-3.7NS (LF)K		3.7 (.146)	7.2 (.283)	29.2 (1.149)	11.0 (.433)			
M4 (#8)	FV5.5-S4 (LF)K		4.3 (.169)	7.2 (.283)	23.0 (.906)	5.9 (.232)			
M4 (#8)	FV5.5-4 (LF)K		4.3 (.169)	9.5 (.374)	26.5 (1.043)	8.3 (.327)			
M5 (#10)	FV5.5-5 (LF)K		5.3 (.209)	9.5 (.374)	26.5 (1.043)	8.3 (.327)			
M5 (#10)	FV5.5-S5 (LF)K		5.3 (.209)	13.2 (.520)	29.1 (1.146)	9.0 (.354)			
M6 (1/4")	FV5.5-6 (LF)K		6.4 (.252)	12.0 (.472)	32.5 (1.280)	13.0 (.512)			
M6 (1/4")	FV5.5-S6 (LF)K		6.4 (.252)	13.2 (.520)	29.1 (1.146)	9.0 (.354)			
M8 (5/16")	FV5.5-S8 (LF)K		8.4 (.331)	13.2 (.520)	29.1 (1.146)	9.0 (.354)			
M8 (5/16")	FV5.5-8 (LF)K		8.4 (.331)	15.0 (.591)	34.7 (1.366)	13.7 (.539)			
M10 (3/8")	FV5.5-10 (LF)K		10.5 (.413)	15.0 (.591)	34.7 (1.366)	13.7 (.539)			
M12 (1/2")	FV5.5-12 (LF)K		13.0 (.512)	19.2 (.756)	39.1 (1.539)	16.0 (.630)			

* Using JST recommended tooling.

Solderless Terminals



RING TONGUE (R Type) PVC-Insulated (Flared Entry)



Hand Tools (For Insulated Terminals)

We have developed a wide range of hand tools to complement our many quality interconnect products.

Incorporating a ratchet mechanism these ergonomically designed hand tools offer a quick and simple solution to crimping and thus ensuring a quality crimp is achieved first time every time.



Generic image

Hand Tool No.	Applicable Wire mm ² (AWG#)	Handle Colour	General description and features
JI-2210	0.25 to 1.65 (22 to 16)	Green	Ratchet Hand Tool for 1.25 (Red), 2.0 (Blue) and 5.5 (Yellow) Insulated Terminals. Features: • Ratchet mechanism for crimp conformation. • Ergonomically designed soft handles. • Precision ground dies. • Safe operation. • 3 cavities to suit wire sizes 1.25, 2.0 and 5.5mm².
	1.04 to 2.63 (16 to 14)		
	2.63 to 6.64 (12 to 10)		
YNT-2622	0.2 to 0.5 (26 to 22)	Yellow	Ratchet & parallel style handtools, designed specifically to crimp our 0.5mm ² (Yellow), 1.25 (Red), 2.0 (Blue) and 5.5 (Yellow) Insulated Terminals. Features: • Ratchet mechanism for crimp conformation. • Precision ground dies. • Safe operation. • 1 crimping section.
YNT-2216	0.25 to 1.65 (22 to 16)	Red	
YNT-1614	1.04 to 2.63 (16 to 14)	Blue	
YNT-1210S	2.63 to 6.64 (12 to 10)	Yellow	

Model Number Allocation

Entry Type: Flared	F	V	WS	-	1.25	-	#	5	%	(LF)	K
Insulation Material: PVC											
Terminal Seam: • Blank = Brazed Seam • WS = Butted Seam											
Applicable Wire Size mm ² (AWG#): • 0.5 = 0.2 to 0.5 (26 to 22) • 1.25 = 0.25 to 1.65 (22 to 16) • 2 = 1.04 to 2.63 (16 to 14) • 5.5 = 2.63 to 6.64 (12 to 10)											
Palm Width (B) Special Code:											
Stud Hole Size: • 2 = 2.2mm ø • 3 = 3.2mm ø • 4 = 4.3mm ø • Etc..											
Dimension Special Code:											
RoHS Compliance: • Note, (LF) not used for blue insulation.											
Version: K = latest raw material type											

Notes:

- 1) Delivery lead times may vary depending on the product. Contact JST for details.
- 2) For high volume requirements, Terminal On Reel (TOR) packaging and application equipment options are available for some of these products. Contact JST for details.
- 3) For handling and crimping guidance, please refer to handling manual no; [CHM-1-2303](#).
- 4) In line with a policy of continual product development, JST reserves the right to change the specifications of the goods described in this data sheet at any time and without prior notice. The information contained is for reference.

For further information please contact JST.

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