TECHNICAL DATA SHEET - INTERACTIVE PDF

Terminals, fork

Nylon insulated

Sta-Kon®



Nylon insulated fork for wire termination of copper conductors ranging from 22 AWG to 10 AWG

Certifications / Standards:

3-Part Specification:
Tools and Calculators

Features:

- Deep internal serrations maximize contact with wire to help ensure high pull-out values and low electrical resistance
- Long, chamfered barrel design helps eliminate wire hang-ups and maximizes crimp area
- Constructed of electrolytic copper with electro-tin plating for high conductivity
- Three-piece construction with metal sleeve provides insulation support and strain relief to help ensure protection of wire strands and optimum mechanical and electrical performance
- Nylon insulation is halogen-free and provides excellent combination of chemical, impact, and abrasion resistance
- Complete wire and stud size identification on tongue
- Suitable for stranded copper for sizes #22 - 10 AWG

Conforms to:

- RoHS (Restriction of Hazardous Substance)
  - European Directive 2011/65 and Commission Delegated Directive 2015/863

Material / Finishes:

- Nylon 66
- Electrolytic copper with electro-tin plating
- Commercial copper sleeve with electro-tin plating

Ratings:

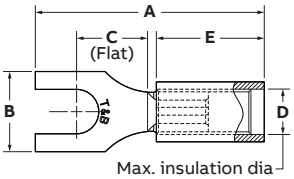
- 600V Max, 1000V in sign/fixtures
- 105°C

Table data:

- Quantities, wire sizes and dimensions
- Application tools

Quantities, wire sizes and dimensions

Product selection and dimensions - inches

Drawing	Base part no:	Bulk part no.	Base Qty	Bulk Qty	Wire size range (AWG)	Strip length	Bolt hole size	A (+/- 0.05)	B (+/- 0.01)	C (+/- 0.01)	D (+/-0.01)	E (+/-0.01)
	RA18-6F	RA1103	100	1000	22-16	7/32"	#6	0.83"	0.25"	0.25"	0.15"	0.19"
	RA18-8F	RA1123	100	1000	22-16	7/32"	#8	0.86"	0.31"	0.25"	0.15"	0.19"
	RA18-10F	RA1153	100	1000	22-16	7/32"	#10	0.86"	0.31"	0.25"	0.15"	0.19"
	RA18-14F	RA1163	100	1000	22-16	7/32"	1/4"	0.92"	0.44"	0.27"	0.15"	0.19"
	—	RB1103	—	1000	18-14	7/32"	#6	0.80"	0.28"	0.24"	0.17"	0.20"
	RB14-6F	RB1113	100	1000	18-14	7/32"	#6	0.86"	0.31"	0.25"	0.17"	0.19"
	RB14-8F	RB1123	100	1000	18-14	7/32"	#8	0.86"	0.31"	0.25"	0.17"	0.19"
	—	RB1124	—	1000	18-14	7/32"	#8	0.92"	0.31"	0.25"	0.19"	0.19"
	RB14-10F	RB1153	100	1000	18-14	7/32"	#10	0.86"	0.31"	0.25"	0.17"	0.19"
	—	RB1154	—	1000	18-14	7/32"	#10	0.92"	0.31"	0.25"	0.19"	0.19"
	RB14-14F	RB1163	100	1000	18-14	7/32"	1/4"	0.92"	0.44"	0.27"	0.17"	0.19"
	RC10-6F	RC1113	100	1000	12-10	9/32"	#6	0.95"	0.31"	0.27"	0.22"	0.29"
	RC10-8F	RC1123	100	1000	12-10	9/32"	#8	0.98"	0.38"	0.27"	0.22"	0.29"
	—	RC1124	—	1000	12-10	9/32"	#8	0.98"	0.38"	0.27"	0.22"	0.29"
	RC10-10F	RC1153	100	1000	12-10	9/32"	#10	0.98"	0.38"	0.27"	0.22"	0.29"
	—	RC1154	—	1000	12-10	9/32"	#10	1.08"	0.38"	0.27"	0.25"	0.29"
	RC10-14F	RC1163	100	1000	12-10	9/32"	1/4"	1.09"	0.50"	0.33"	0.22"	0.29"

Note: Products must be installed in accordance with applicable national and local electrical codes.

Application tools

Product and crimping tool part numbers

Product selection

Base	Bulk	Tools
RA18-6F	RA1103	ERG4001 WT440 (4463 die) WT145C WT2000 WT112M* WT145A* DIE2001**
RA18-8F	RA1123	
RA18-10F	RA1153	
RA18-14F	RA1163	
—	RB1103	
RB14-6F	RB1113	
RB14-8F	RB1123	
——	RB1124	
RB14-10F	RB1153	
—	RB1154	
RB14-14F	RB1163	

Base	Bulk	Tools
RC10-6F	RC1113	ERG4001 WT440 (4463 die) WT145C WT2000 WT112M* WT145A* DIE2001** WT2130A
RC10-8F	RC1123	
—	RC1124	
RC10-10F	RC1153	
—	RC1154	
RC10-14F	RC1163	

* Tool is not UL listed

** Die set compatible with BAT22-6NV2, PAIR22-6, or BAIR22-6

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction – in whole or in part – is forbidden without prior written consent of ABB.
Copyright© 2023 ABB. All rights reserved.