Super ITS-921 Reverse-Bayonet Rigid Insert, High-Ampacity Connectors

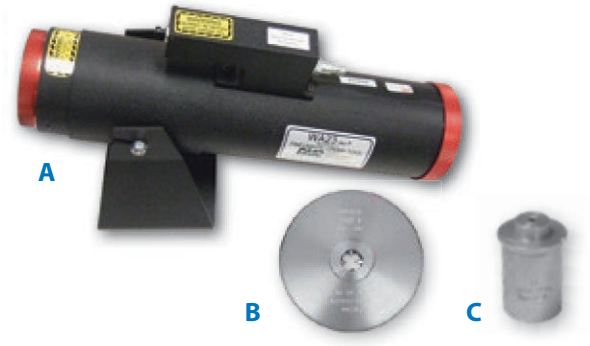
Contact Tools

HAND CRIMP TOOL AND POSITIONER FOR #12 AND #16 CONTACTS

Fig.	Description	Part Number	Daniels Part Number
A	Crimp tool for use with size #16 and #12 Series 921 Super ITS™ pin and socket contacts.	-	VM8
B	Positioner for use with size #12 and #16 contacts.	M22520/1-05	UH2-5

HYDRAULIC AND PNEUMATIC CRIMP TOOLS

Contact Crimp Tool						
Contact Size	Wire Size	Pneumatic Crimp Tool			Hydraulic Crimp Tool	
		Pneumatic Tool	Die	Locator	Hydraulic Tool	Die
8	10	M.112000	M.112001	M.112320	M.112004	M.112005
8	8	M.112000	M.112001	M.112320	M.112004	M.112005
4	4	M.112000	M.112002	M.112321	M.112004	M.112006
4	6	M.112000	M.112001	M.112311	M.112004	M.112005
1/0	1/0	M.112000	M.112003	M.112322	M.112004	M.112010
1/0	2/0	-	-	-	M.112004	M.112021
Figure		A	B	C	D	E



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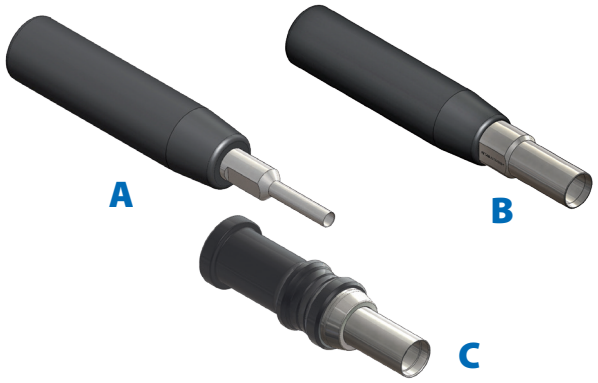
INSERTION AND REMOVAL TOOLS

Insert and remove Series 921 Super ITS™ contacts with plastic and metallic tools.



Insertion and Removal Tool			
Contact Size	Type	Part Number	Figure
16	Insertion/Extraction	FXT-M-0402-13024	A
12	Insertion/Extraction	FXT-M-0370-13024	A
8	Insertion/Extraction	FXT-M-0401-13024	B
4	Insertion/Extraction	FXT-M-0400-13024	B
1/0	Extraction	FXT-M-0369-13024	C

WIRE SEAL GROMMET

Wire seals come in 5 cable diameters and accommodate contacts from #16 to 2/0. Grommet length may be cut to length. Contact factory for proper length.

Single Wire Seal			
		Overall Cable Diameter Dimensions	
Contact Size	Part Number	Ø min.	Ø max.
12, 16	921-12-WS	1 (0.04)	5 (0.20)
8	921-8-WS	4 (0.16)	8 (0.31)
4	921-4-WS	7 (0.28)	12.7 (0.50)
1/0	921-0-WS	10 (0.39)	15.8 (0.62)
2/0	921-2-0-WS	12 (0.47)	17.8 (0.70)

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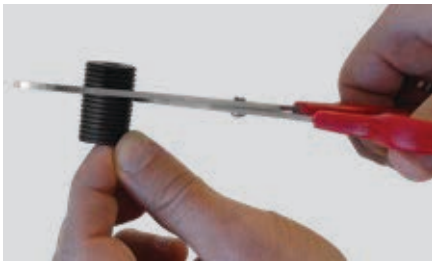
Wiring Instructions

WIRING INSTRUCTIONS

1. Measure the outer diameter of the cable.

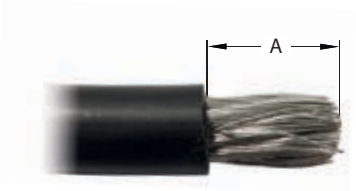
2. Cut the Single Wire Seal to suit the measured cable.



In order to cut the wire seal please contact the factory for the correct dimensions.

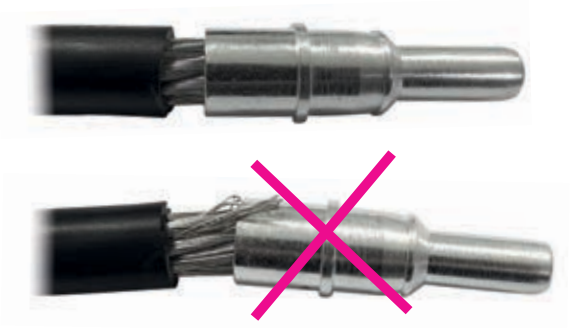
3. Slide the Wire Seal up the cable; smallest bore first. (We advise spreading a thin layer of grease on the cable to ease assembly). Check that the Wire Seal is correctly orientated for assembly.

4. Cut and strip the wire as per the table below.



Wire Size	A
16	6.4 (0.25)
12	8.5 (0.33)
10	12.2 (0.48)
8	12.2 (0.48)
6	12.2 (0.48)
4	12.2 (0.48)
1/0	14 (0.55)
2/0	20 (0.79)

5. Insert the stripped conductor in the contact bucket. Ensure that no strands stick out.



6. Crimp the contact on the conductor with the tool indicated in "Contact Crimp Tool" table on page 21.

For further Crimping details. please contact the factory.

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WIRING INSTRUCTIONS (CONTINUED)

7. Consult the "Insertion and Removal Tool" table on page G-6 to ascertain if an Insertion Tool is required. Insert the insertion tool from the front side of the connector and at the same time push the cable from the back. If the insertion tool is not needed. go to step 8. Otherwise go to step 9.

8. Insert the contact from the rear side. Push the cable until a click of the internal locking clip can be felt.

9. Check the correct final position of the contact by pushing it from the front end. Removal of the contact should not be possible without the use of an extractor.

10. Slide the Single Wire Seal along the cable and insert it into the back of the insulator.

11. To remove the contact use the removal tool (see the "Insertion and Removal Tool" table on page G-6). Insert the tool from the front end of the connector and push it over the contact thoroughly. At the same time pull the cable from the rear end.

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