NEW-DT1 Hand Crimp Tool Instruction

1. GENERAL INFORMATION:

1.1 NEW-DT1 is specially designed for crimping 12#, 16#, 20# contacts of Deutsch DT series connectors.

1.2 Wire Crimp Range: 12AWG (4.0mm²) to 22AWG (0.35mm²)。

Contact Size	Contact Model	Wire Specification (TE® Contact) ♦ AWG/mm	Wire Specification (JRready® Contact) ♦ AWG/mm	Strip Length INCH/mm
12PIN	0460-204-12**	12AWG/14AWG	12AWG/14AWG/16AWG	.222-.284
12SOC	0462-203-12**	[3.0mm²/2.5mm²/2.0mm²]	[3.0mm²/2.5mm²/2.0mm²/1.0mm²]	[5.64-7.21]
16PIN	0460-202-16**	16AWG/18AWG /20AWG	16AWG/18AWG/20AWG	.250-.312
16SOC	0462-201-16**	[1.0mm²/0.75mm²/0.5mm²]	[1.0mm²/0.75mm²/0.5mm²]	[6.35-7.92]
16PIN	0460-215-16**	14AWG	14AWG/16AWG/18AWG/20AWG	.250-.312
16SOC	0462-209-16**	[2.0mm²]	[2.0mm²/1.0mm²/0.75mm²/0.5mm²]	[6.35-7.92]
20PIN	0460-202-20**	20AWG /22AWG	20AWG/22AWG	.156-.218
20SOC	0462-201-20**	[0.5mm²/0.35mm²]	[0.5mm²/0.35mm²]	[3.96-5.54]
20PIN	0460-010-20**	16AWG/18AWG	16AWG/18AWG/20AWG/22AWG	.156-.218
20SOC	0462-005-20**	[1.0mm²/0.75mm²]	[1.0mm²/0.75mm²/0.5mm²/0.35mm²]	[3.96-5.54]
♦The data in this table has been tested and proved for TE & JRready contacts only.				

Contact Size	Contact Model	Wire Specification (Amphonel® Contact) ♦ AWG/mm	Strip Length INCH/mm
12PIN	AT60-204-12**	12AWG/14AWG	.222-.284
12SOC	AT62-203-12**	[3.0mm²/2.5mm²/2.0mm²]	[5.64-7.21]
16PIN	AT60-202-16**	16AWG/18AWG /20AWG	.250-.312
16SOC	AT62-201-16**	[1.0mm²/0.75mm²/0.5mm²]	[6.35-7.92]
16PIN	AT60-215-16**	14AWG	.250-.312
16SOC	AT62-209-16**	[2.0mm²]	[6.35-7.92]
20PIN	AT60-202-20**	20AWG /22AWG	.156-.218
20SOC	AT62-201-20**	[0.5mm²/0.35mm²]	[3.96-5.54]
20PIN	AT60-010-20**	16AWG/18AWG	.156-.218
20SOC	AT62-005-20**	[1.0mm²/0.75mm²]	[3.96-5.54]
♦The data in this table has been tested and proved for Amphonel® Contact only.			

Note：=31 Gold-plated **=141 Nickel-plated Note: When crimping 14AWG wire, use the selector position 1.5.**

1.3 Adjustment of Selector

NEW-DT1 has 8 selector positions on selector knob, which can accurately divide the crimp range into 8 gears, as follows:

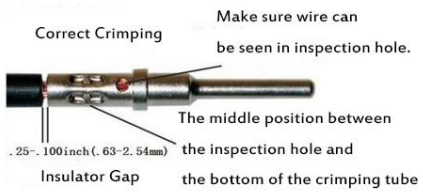
Selector NO. mm² /AWG	Intender Working Diameter INCH/mm	
	A (GO)	B (NO GO)
3.0/12	**0.049**/1.24	**0.054**/1.37
2.5/14	**0.045**/1.14	**0.050/1.27**
2.0	**0.041**/1.04	**0.046**/1.17
1.5	**0.037**/0.94	**0.042**/1.07
1.0/16	**0.0330**/0.838	**0.0385**/0.978
0.75/18	**0.030**/0.76	**0.035**/0.89
0.5/20	**0.026**/0.66	**0.031**/0.79
0.35/22	**0.022**/0.56	**0.027**/0.69

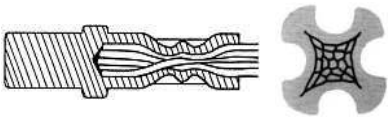


2. CRIMPING INSTRUCTIONS:

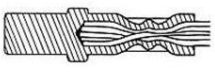
2.1 Before crimping, make sure all wires can be seen in inspection hole. (Note: make sure there is enough strip length.) As shown on the right.

2.2 Insert the contact and prepare the wire through the indenter from the opposite side. Squeeze the handles together until ratchet release. Then the handle will return to its open position automatically.





Crimp Sample Cross Section



Crimping Sample



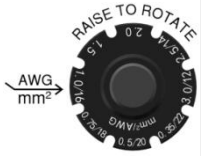
Indent Section View

3. Inspection of Go-Nogo Gage (Choose selector 1.0/16 and use G454 Gage to inspect the crimp tool)

As shown in below picture.

Tools should be periodically inspected by G454 Go-nogo gage. Operate the tool to the fully closed position. If the "GO" gage end (Green) can pass freely, but the NO-GO end (Red) can not pass completely, it means the tool is qualified. Otherwise it means the tool is not qualified.

Note： DO NOT CRIMP GAGE!



Note: when inspecting the tool, the selector knob should be shifted to the 1.0/16.

Note：In order to avoid damage, please check the position of the selector knob before crimping. (Crimping large wire at small gear may permanently damage the tool.)

4. Maintenance:

4.1 Keep the crimping tool and other parts clean. Check whether components are loose or missing. In order to prevent rusting or damage, please do not leave tools outside. It should be kept in a dry environment.

4.2 Do not attempt to disassemble tool or repair it by yourself. Please contact the manufacturer to find out the problems and repair it.

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