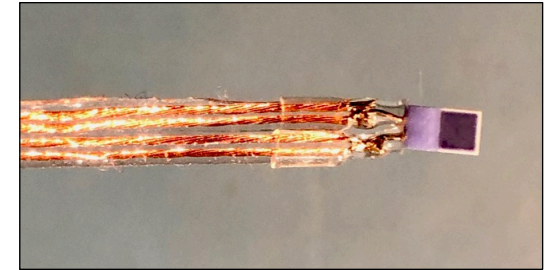


Closeup of IDC Connector



Closeup of a RTD Sensor

ID	QTY	MFG	MPN	Description	Notes
A	1	CNC Tech	3230-16-0103-00	IDC Connector, 16 Conductor	—
B	4	Cicoil	482W101-4	Ribbon Cable, 4 Conductor	Cut to AA cm +/- 5mm
C	4	—	—	White Heat Shrink	See #2 below
D	4	Heraeus	32207582	RTD Sensor, L420 Series	—
E	8	TE	HT-200-3/64-X-SP	1.2mm dial heat shrink	14mm long

Notes:

- 1: Install 4x 4C ribbon cables into 16C connector. Crimp. Install retaining clip.
- 2: Install white heat shrink (C) with channel number over each strip, 4" from end.
- 3: Split end of each strip into 2 pairs of 2 conductors for last 25mm.
- 4: Install TE heat shrink (E) over each pair of wires.
- 5: Strip last 3mm of each wire pair.
- 6: **Solder** each pair to 1 leg of RTD at point 8mm from base of RTD & clean off flux.
- 7: Slide heat shrink up over solder joint. Shrink by applying heat.

"AA" in part number specifies overall length of cable in cm.

Approximately 5mm of cable is folded over and inside of IDC connector and RTD length is 5mm, so cut length of cable matches overall assembly length.



Capable Robot Components

Product

SenseTemp

Revision

CREASE

Drawing

Harness-AA

Revision

CR8MDV

Date

2019-01-18

Sheet

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