

## Large Conductor, 1091SD cable with COMMSCOPE RJ45 UTP PLUG

### 1. General product information

These instructions provide the termination procedure for Cable Assemblies using COMMSCOPE RJ45 UTP plug kits and 1091SD cable.

This instruction sheet is for terminating:

Material ID	Product	Description
760259541	Plug Kit, 100pcs	KIT,8P,MP, LG COND, CAT6/6A,UTP, 100PC
760259540	Plug Kit, 25pcs	KIT,8P,MP, LG COND, CAT6/6A,UTP, 25PC
1933943-2	Plug Boot, Gray, 100pcs	Boot



**COMMSCOPE RJ45 Plug Kit**



**Boot**

### 2. Tools required

- Hand crimp tool 760252606
- Wire cutters
- Wire strippers



**Hand crimp tool**

### 3. Installation steps

#### Step 1 – Preparation of Cable for Termination

- 1.1 Strip outer jacket approximately 1.250 inches:



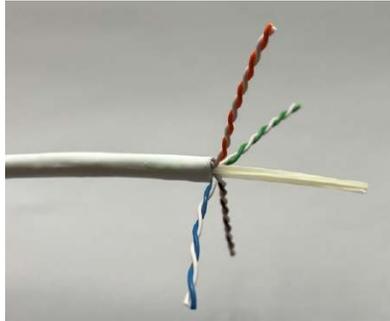
- 1.2 Slide boot onto cordage:



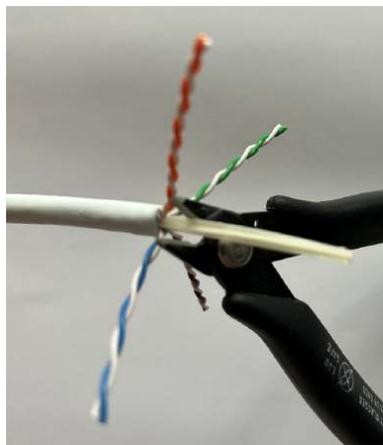
- 1.3 Remove foil from cable:



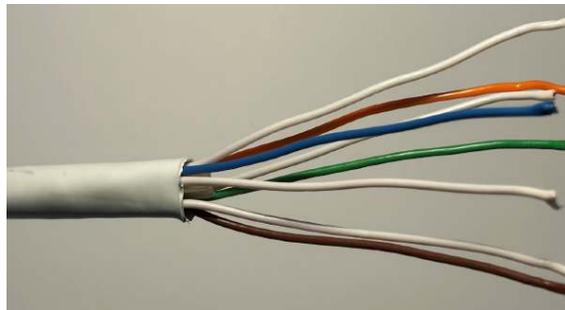
1.4 Separate the twisted pairs and center core:



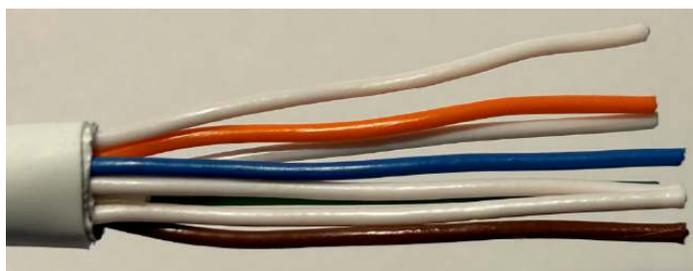
1.5 Cut center core:



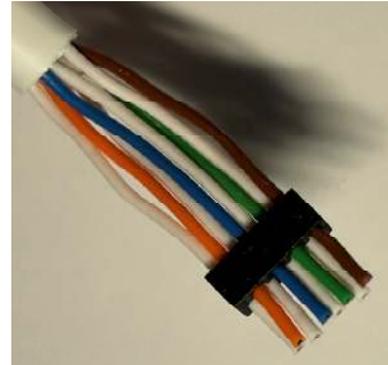
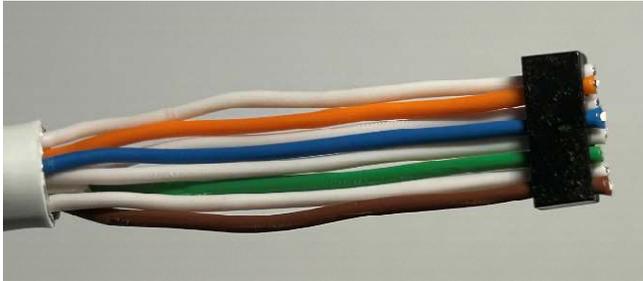
1.6 Separate the twisted pairs:



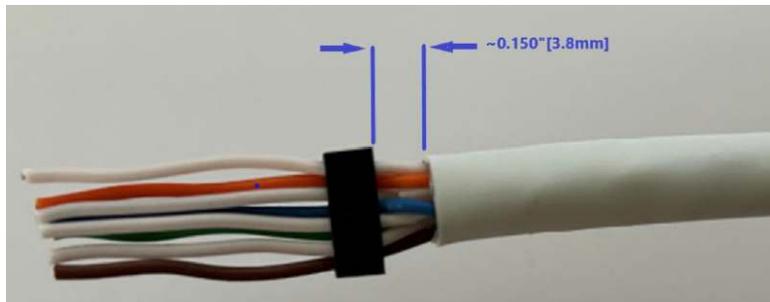
1.7 Arrange the twisted pairs in T568B wiring pattern:



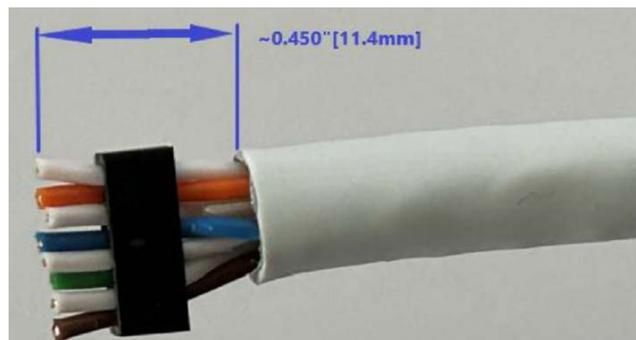
- 1.8 Slide load bar onto the conductors. The color conductors are on one row and the white conductors on the other row:



- 1.9 Slide load bar onto the conductors to approximately, 0.150" [3.8mm] from jacket:

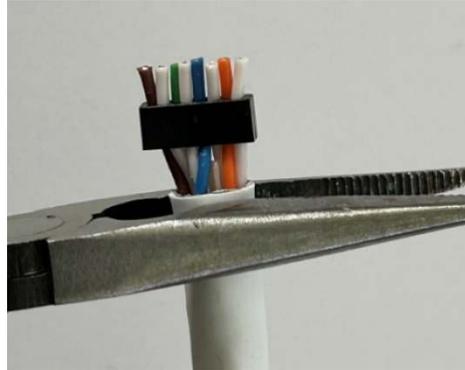


- 1.10 Cut the ends of the conductors approximately 0.450"[11.4mm] from jacket:

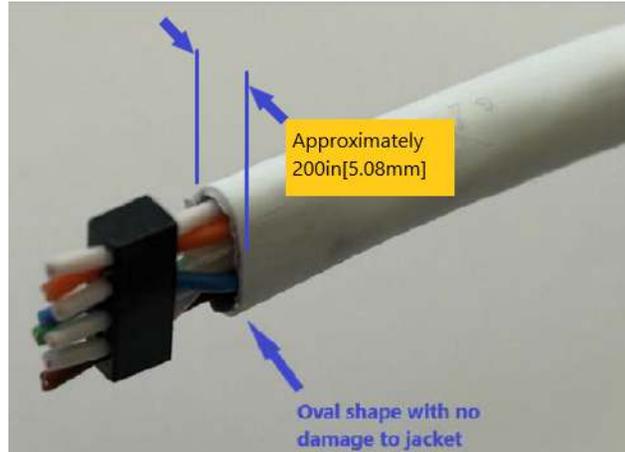


## Step 2 – Preparing wire and load bar

2.1 Slightly squeeze the jacket material to form oval shape. This will help insertion into the plug:



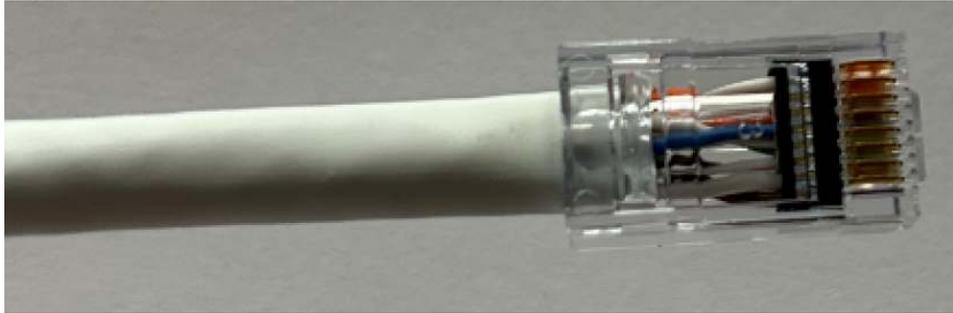
2.2 Cable jacket has oval shape with no damage to the conductors:



2.3 Align the prepared cable and load bar with the plug, the white-orange & orange conductors on the most left side with terminal side as reference:

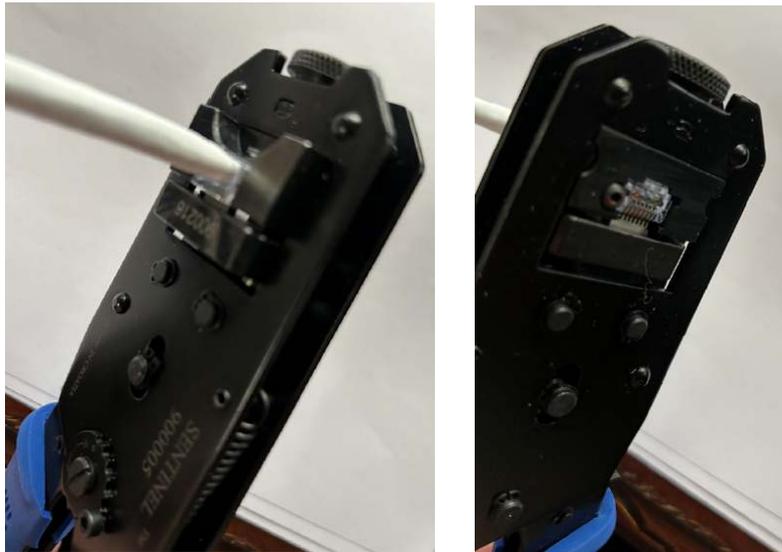


2.4 Fully insert prepared cable and load bar into the plug:

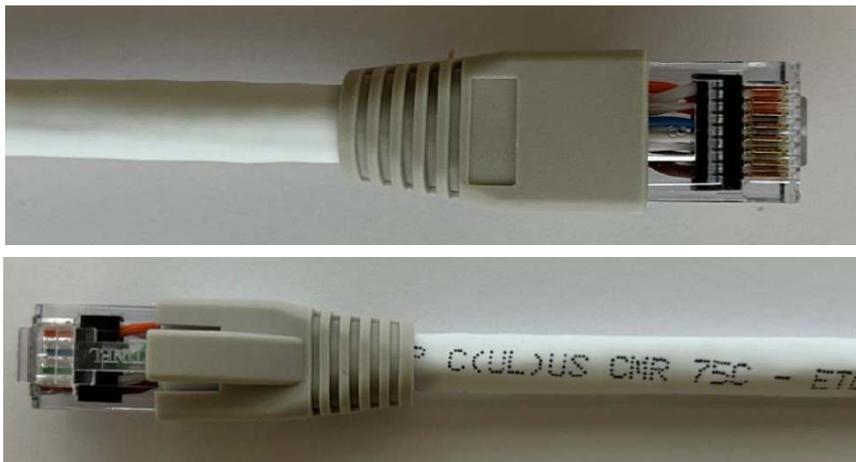


### Step 3 – Termination of plug

3.1 Insert into Crimp tool and actuate tool:



3.2 Remove plug from handtool and slide the boot until the antisnag feature covers the end of the latch:



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## 4. Revision history

- Rev. A – Initial release.
- Rev. B – Addition of assembly views 1.8 and 2.3.
- Rev. C – Change RJ45 Plug kit matrix and remove reference of Sentinel in pt no. 1.