LINE CABLES *Assy*

2021/12/07
2025/09/20

Assembly

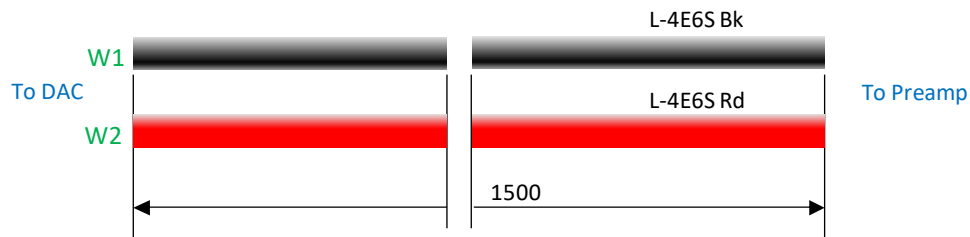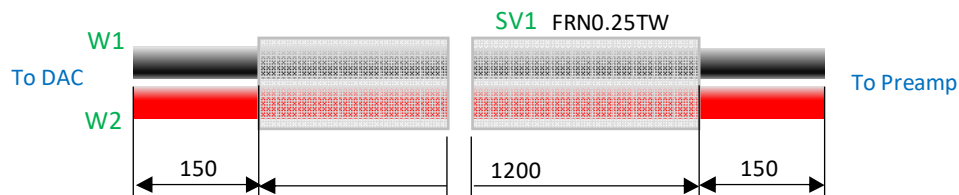## CB1: DAC to Preamp
Tools: wire stripper, cutter, nipper, solder, soldering iron, blower, sissors, marking pen (black), tweezers

(1) Cut black and red wires (L-4E6S) into 1.5m long (W1-2)   Unit: mm
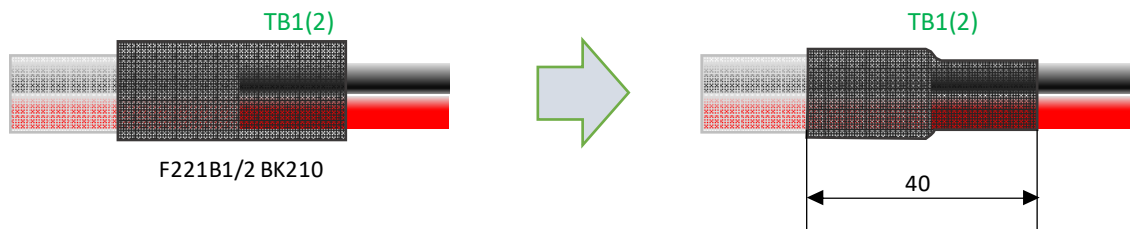

(2) Cut sleeving (FRN0.25TW) into 1.2m and slide it onto the wires W1-2

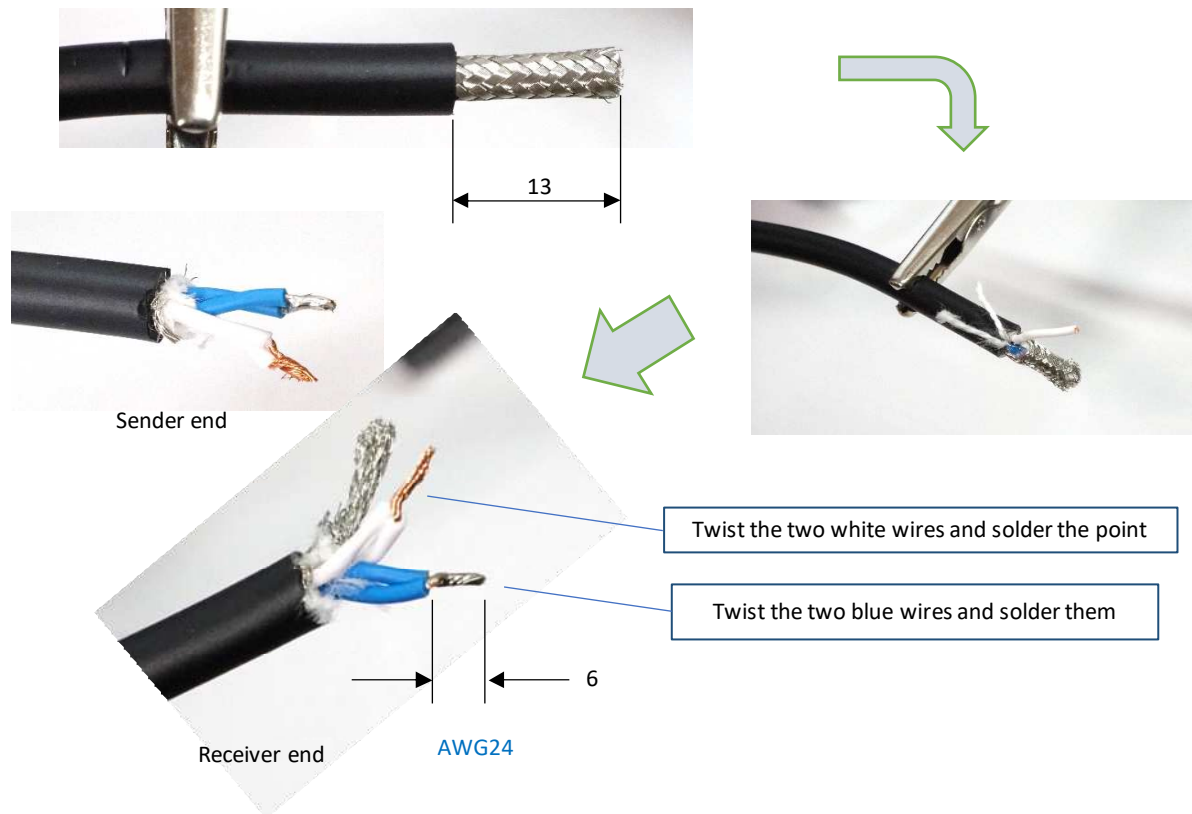(3) Cut the srink tubes into two 40mm ones (TB1-2) and slide them onto the wires and sleevings, and shrink the tubes

(4) Slide the shells of the RCA plugs (P1-4) onto the wires

F-10

(5) Strip the insulators of the wires

13

Sender end

Twist the two white wires and solder the point

Twist the two blue wires and solder them
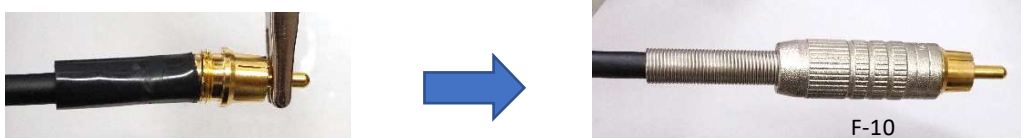
6

Receiver end

AWG24

(6) Solder the blue wires to the hot terminal
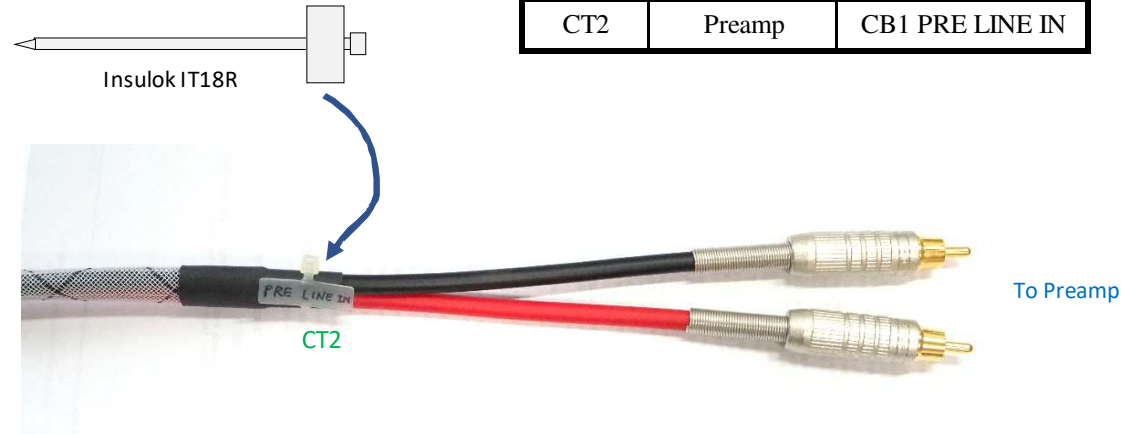
(7) Solder the white wires to the cold terminal

(8) Fix the shell

F-10

(9) Attach cable ties

Mark CT1-2 following the table on right.

Tie CT1-2 onto the shrink tubes.

Ref des	End	Marking
CT1	DAC	CB1 DAC OUT
CT2	Preamp	CB1 PRE LINE IN

Insulok IT18R

CT2

To Preamp

CB2: Preamp to DAR
Tools: wire stripper, cutter, nipper, solder, soldering iron, blower, sissors, marking pen (black), tweezers

(1) Cut black and red wires (L-4E6S) into 2m long

L-4E6S Bk

W3

To Preamp

L-4E6S Rd

To DAR

W4

2000

(2) Cut sleeving (FRN0.25TW) into 1.2m and slide it onto the wires (L-4E6S)

SV2   FRN0.25TW

W3

To Preamp

W4

To DAR

150   1700   150

(3) Slide the srink tubes (TB3-4) onto the wires and sleevings, and shrink the tubes

TB3(4)   TB3(4)

F221B1/2 BK210

40
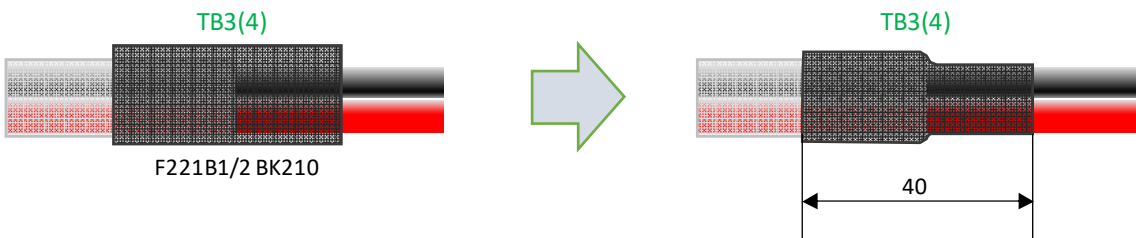
(4) Slide the shells of the RCA plugs (P5-8) onto the wires
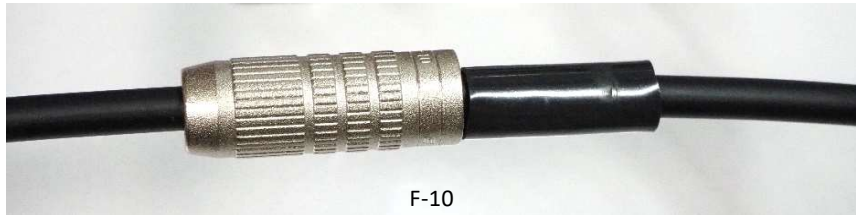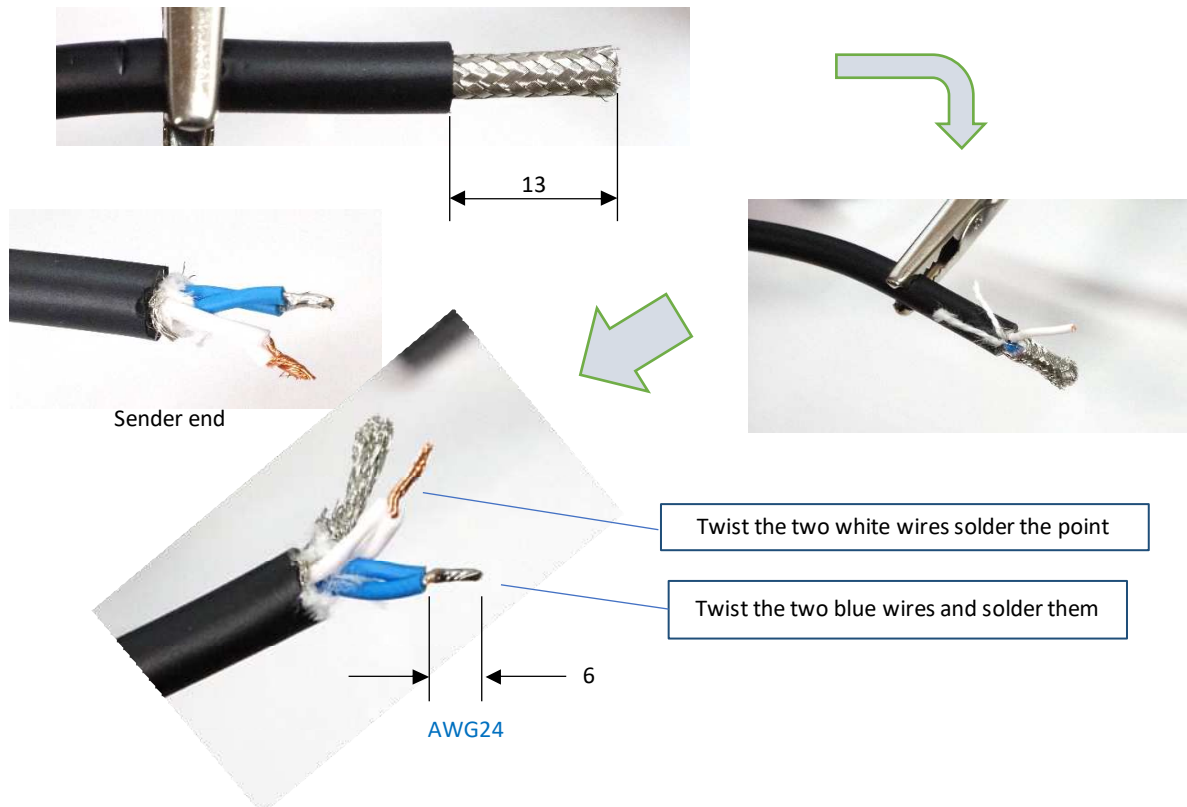
F-10

(5) Strip the insulators of the wires

13

Sender end

6

AWG24

Twist the two white wires solder the point

Twist the two blue wires and solder them

(6) Solder the blue wires to the hot terminal

(7) Solder the white wires to the cold terminal

(8) Fix the shell

F-10

(9) Attach cable ties

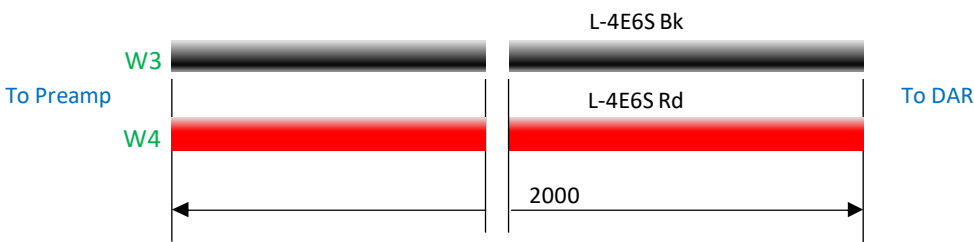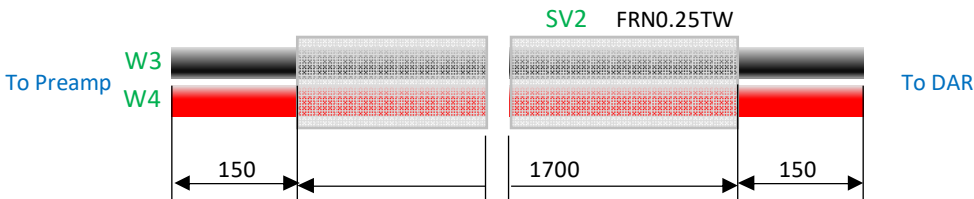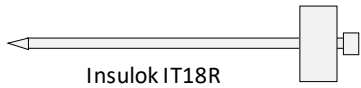Mark CT3-4 following the table on right.

Tie CT3-4 onto the shrink tubes

Insulok IT18R

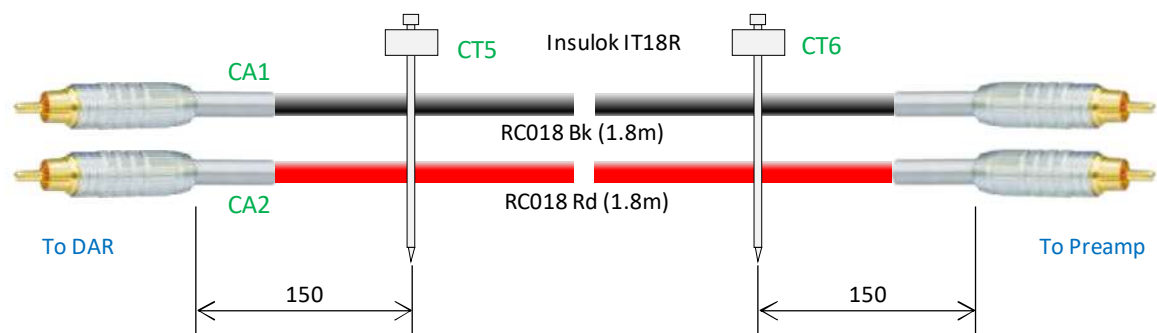| Ref des	End	Marking
CT3	Preamp	CB2 EQ OUT
CT4	DAR	CB2 DAR IN

CB3: DAR to Preamp
Tools: nipper

(1) Mark the cable ties CT5-6 (Insulok IT18R) and tie the cable assys CA1-2 with them.
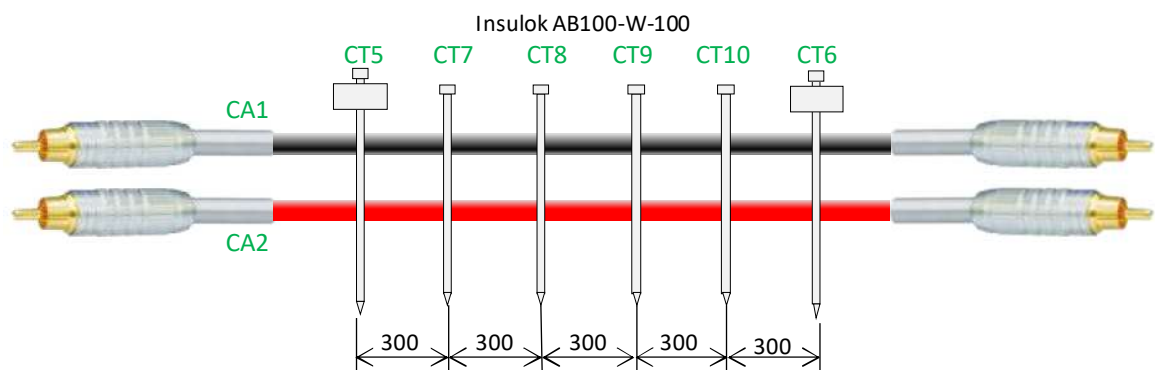
Mark CT5-6 following the table on right.

Tie CT5-6 at the points shown in the figure below.

Ref des	End	Marking
CT5	DAR	CB3 DAR OUT
CT6	Preamp	CB3 PRE AUX

(2) Tie cable assys CA1-2 with cable tie CT8-10 (Insulok AB100-W-100) at intervals of 300mm.

CB4: BDP to Preamp

Tools: nipper

(1) Mark the cable ties CT11-12 (Insulok IT18R) and tie the cable assys CA3-4 with them.

Mark CT11-12 following the table on right.

Tie CT11-12 at the points shown in the figure below.

Ref des	End	Marking
CT11	BDP	CB4 BDP OUT
CT12	Preamp	CB4 PRE AUX

(2) Tie cable assys CA3-4 with cable tie CT13-20 (Insulok AB100-W-100) at intervals of 300mm.

Insulok AB100-W-100

CT11   CT13   CT14 ...   CT19   CT20   CT12

CA3

CA4

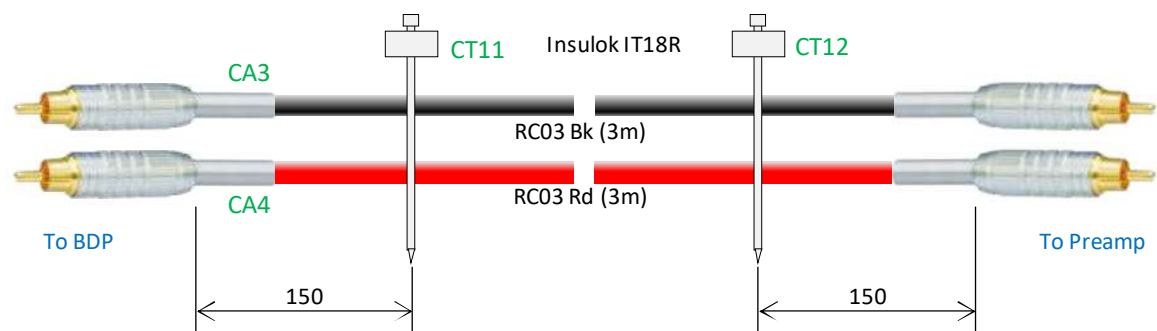300   300   300   300
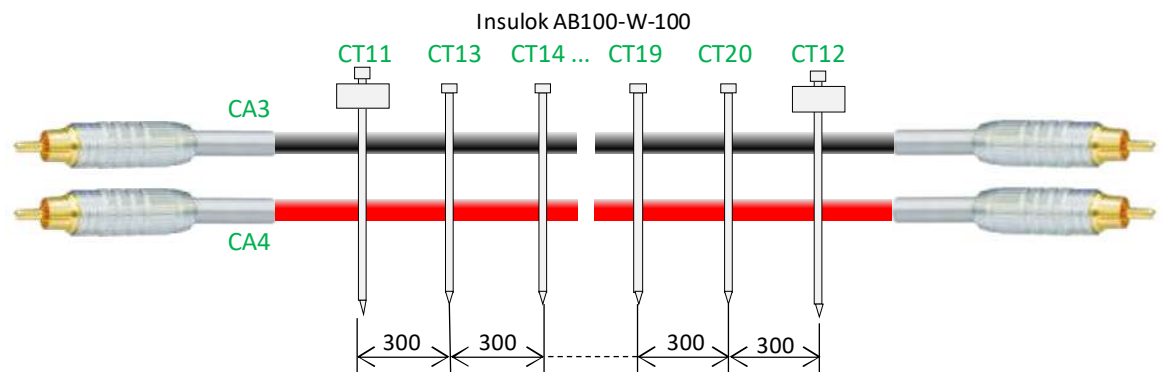
CB5: Preamp to Network
Tools: nipper

(1) Mark the cable ties CT21-22 (Insulok IT18R) and tie the cable assys CA5-6 with them.

Mark CT21-22 following the table on right.

Tie CT21-22 at the points shown in the figure below.

Ref des	End	Marking
CT21	Preamp	CB5 PRE OUT
CT22	Network	CB5 NET IN

RCA plugs   CT21   Insulok IT18R   CT22   XLR plugs

CA5

RC03-B2 Bk (3m)

CA6

RC03-B2 Rd (3m)

To Preamp

To Network

150   150

(2) Tie cable assys CA5-6 with cable tie CT23-30 at intervals of 300mm.

Insulok AB100-W-100

CT21   CT23   CT24   CT29   CT30   CT22

CA5

CA6

300   300   300   300
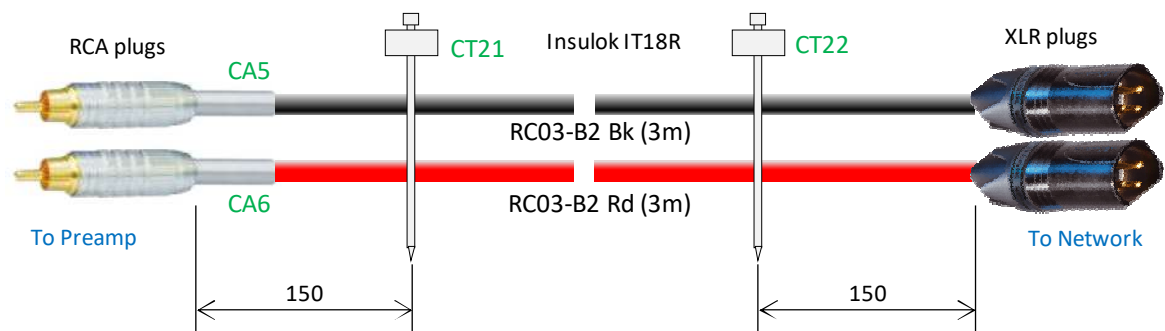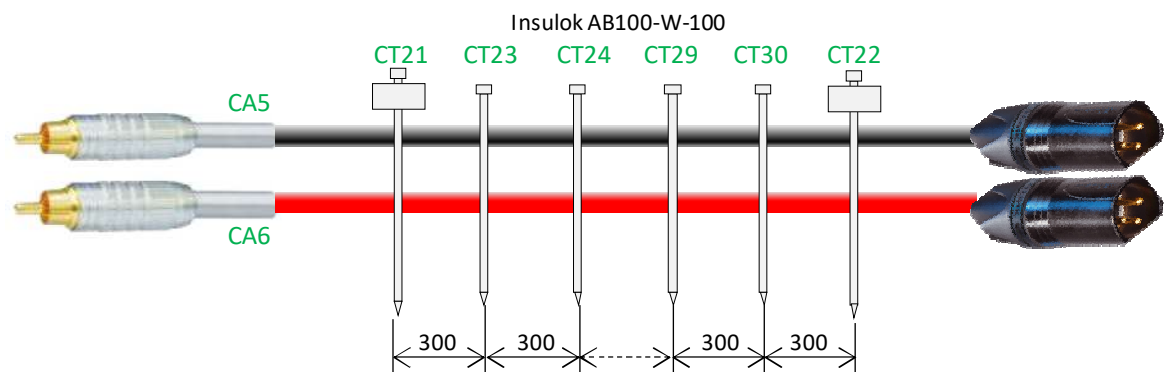
CB6: Network to Tweeter/Squawker Amp (L)
Tools: nipper

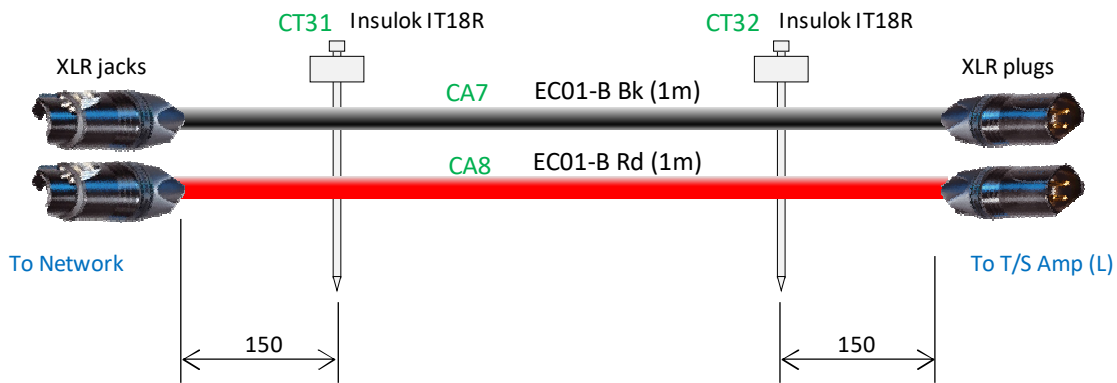(1) Mark the cable ties CT31-32 (Insulok IT18R) and tie the cable assys CA7-8 with them.

Mark CT31-32 following the table on right.

Tie CT31-32 at the points shown in the figure below.

Ref des	End	Marking
CT31	Network	CB6 HM OUT L
CT32	T/S amp (L)	CB6 HM IN L

(2) Tie cable assys CA7-8 with cable tie CT33 at intervals of 350mm.

CB7: Network to Tweeter/Squawker Amp (R)
Tools: nipper

(1) Mark the cable ties CT34-35 (Insulok IT18R) and tie the cable assys CA9-10 with them.
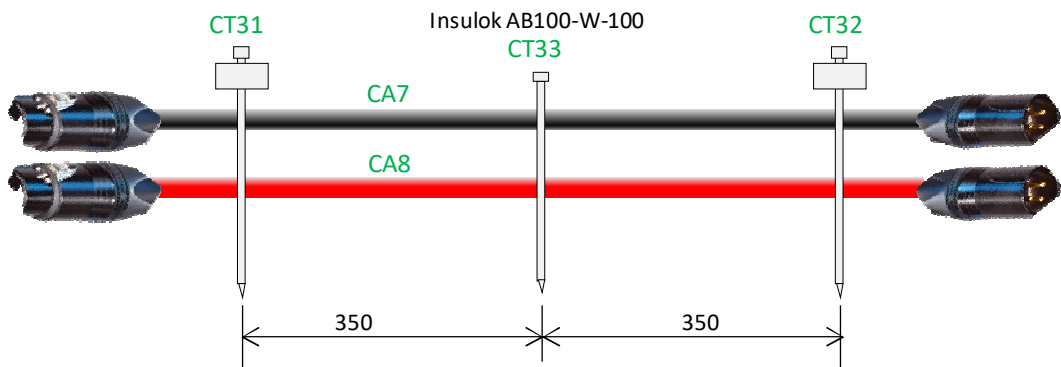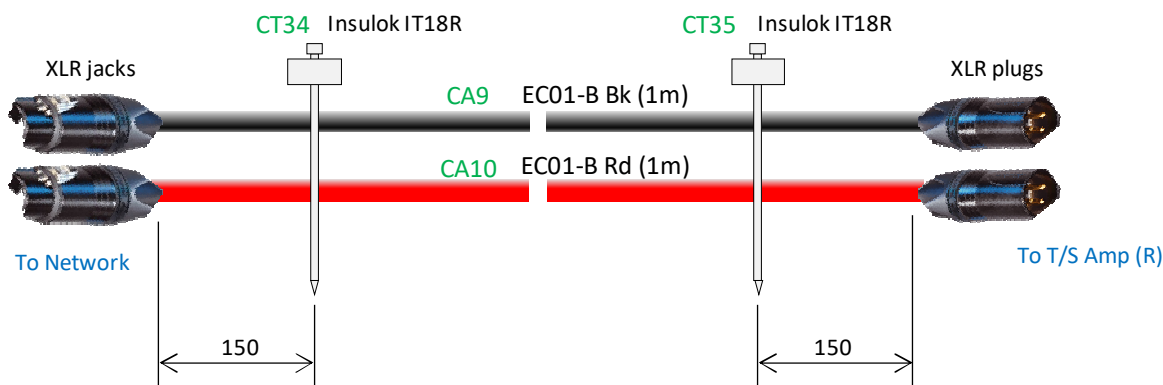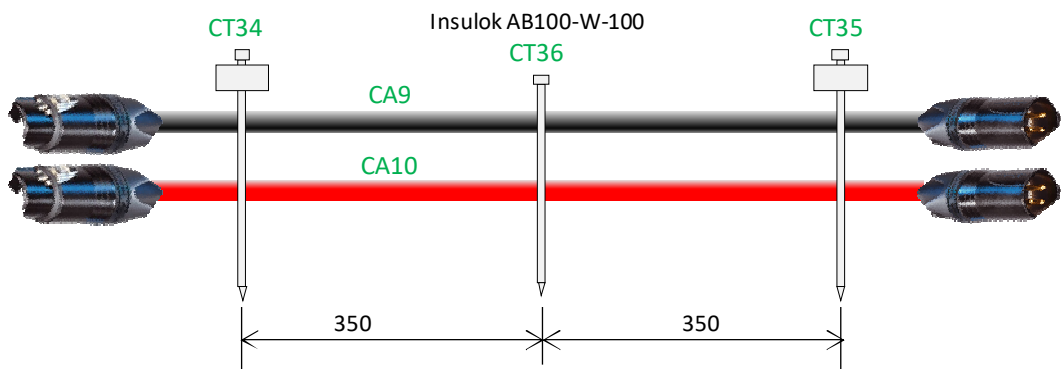
Mark CT34-35 following the table on right.

Tie CT34-35 at the points shown in the figure below.

Ref des	End	Marking
CT34	Network	CB7 HM OUT R
CT35	T/S amp (R)	CB7 HM IN R

CT34   Insulok IT18R   CT35   Insulok IT18R

XLR jacks   XLR plugs

CA9   EC01-B Bk (1m)

CA10   EC01-B Rd (1m)

To Network   To T/S Amp (R)

150   150

(2) Tie cable assys CA9-10 with cable tie CT36 at intervals of 350mm.

CT34   Insulok AB100-W-100   CT35
                                    CT36

CA9

CA10

350   350

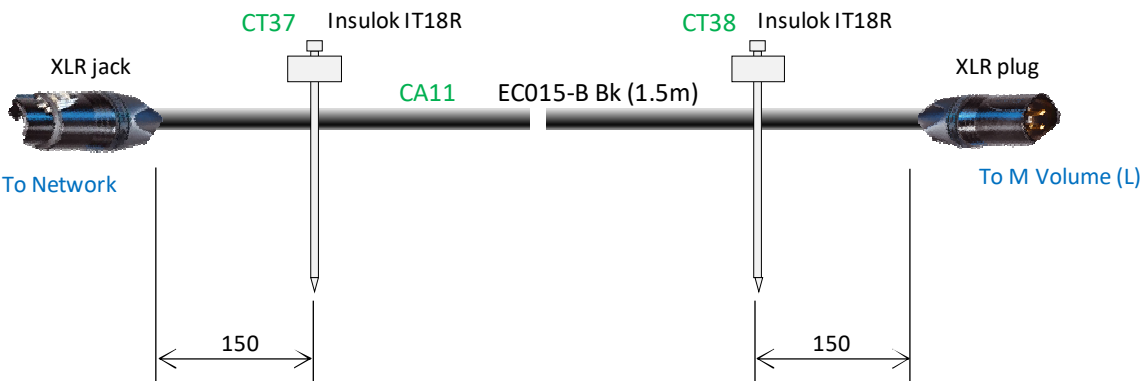## CB8: Network to Master Volume (L)
Tools: nipper

(1) Mark the cable ties CT37-38 (Insulok IT18R) and attach them on the cable assy CA11.

Mark CT37-38 following the table on right.

Tie CT37-38 at the points shown in the figure below.

Ref des	End	Marking
CT37	Network	CB8 LOW OUT L
CT38	M Volume (L)	CB8 LOW IN L

CT37   Insulok IT18R   CT38   Insulok IT18R

XLR jack   XLR plug

CA11   EC015-B Bk (1.5m)

To Network   To M Volume (L)

150   150
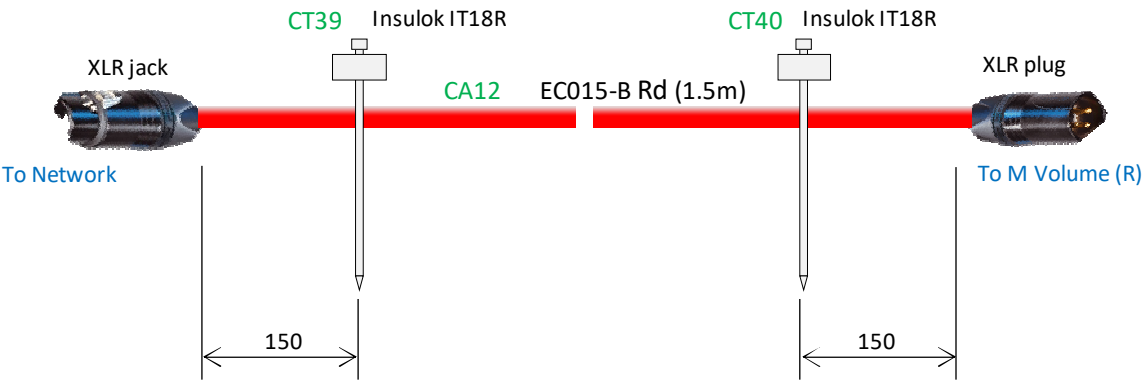
CB9: Network to Master Volume (R)

Tools: nipper

(1) Mark the cable ties CT39-40 (Insulok IT18R) and attach them on the cable assy CA12.

Mark CT39-40 following the table on right.

Tie CT39-40 at the points shown in the figure below.

Ref des	End	Marking
CT39	Network	CB9 LOW OUT R
CT40	M Volume (R)	CB9 LOW IN R

CT39 Insulok IT18R   CT40 Insulok IT18R

XLR jack   CA12 EC015-B Rd (1.5m)   XLR plug

To Network   To M Volume (R)

150   150
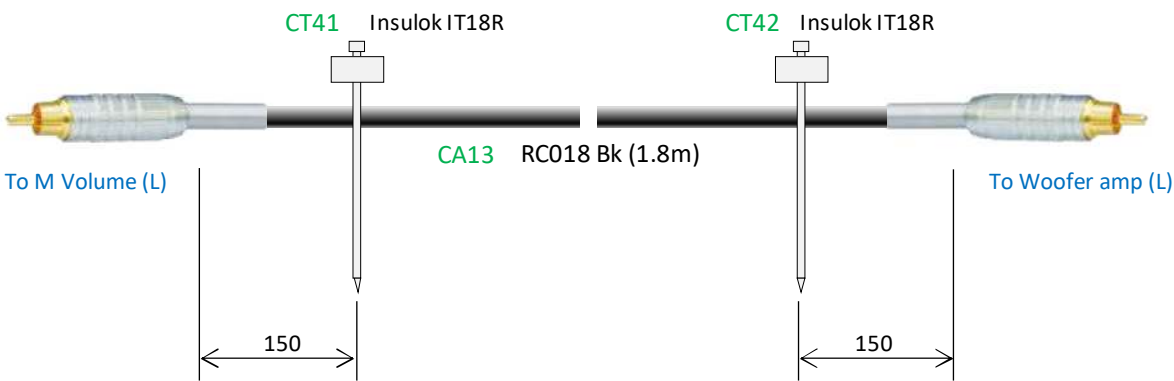
CB10: Master Volume to Woofer Amp (L)

Tools: nipper

(1) Mark the cable ties CT41-42 (Insulok IT18R) and attach them on the cable assy CA13.

Mark CT41-42 following the table on right.

Tie CT41-42 at the points shown in the figure below.

Ref des	End	Marking
CT41	M Volume (L)	CB10 PRE OUT L
CT42	Woofer amp (L)	CB10 POW IN L

CT41 Insulok IT18R   CT42 Insulok IT18R

CA13 RC018 Bk (1.8m)

To M Volume (L)   To Woofer amp (L)

150   150

CB11: Master Volume to Woofer Amp (R)

Tools: nipper

(1) Mark the cable ties CT43-44 (Insulok IT18R) and attach them on the cable assy CA14.

Mark CT43-44 following the table on right.

Tie CT43-44 at the points shown in the figure below.

Ref des	End	Marking
CT43	M Volume (R)	CB11 PRE OUT R
CT44	Woofer amp (R)	CB11 POW IN R

CT43 Insulok IT18R   CT44 Insulok IT18R

To M Volume (R)   CA14   RC018 Rd (1.8m)   To Woofer amp (R)
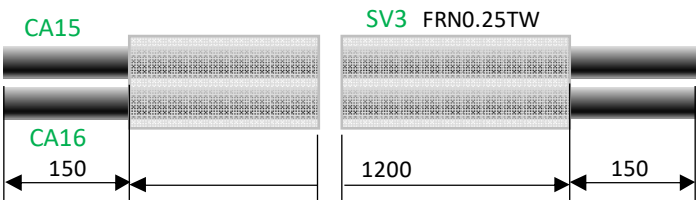
150   150
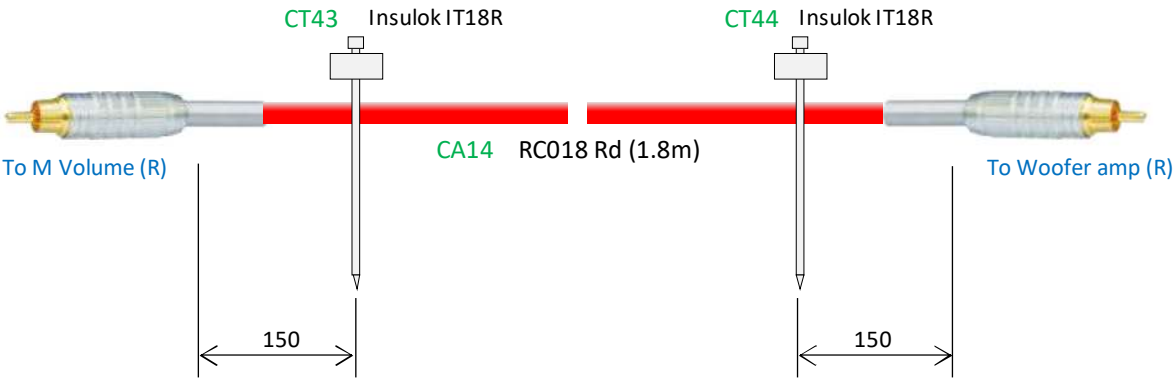
CB12: Network to Tweeter Amp (for temporal use)
**Tools: wire stripper, cutter, nipper, solder, soldering iron, blower, sissors, marking pens (black & red)**

(1) Cut 2 cable assys (Pro CXX050) into 1.5m long (CA15-16)

XLR jacks   To Tweeter amp

CA15

        Classic Pro CXX050

CA16

To Network   1500
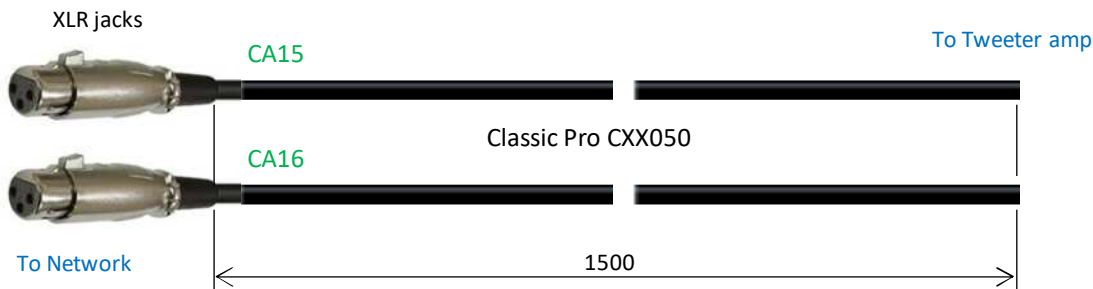
(2) Cut sleeving (FRN0.25TW) into 1.2m (SV3) and slide it onto the cabel assys CA15-16

CA15   SV3 FRN0.25TW

CA16
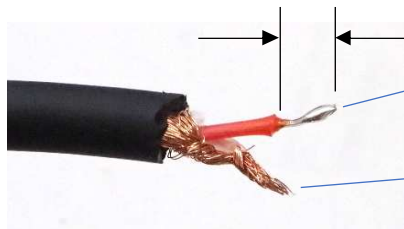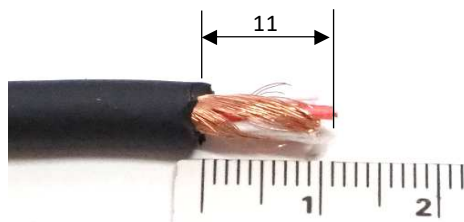150   1200   150

(3) Cut the srink tubes into two 40mm ones (TB5-6) and slide them onto the wires and sleevings, and shrink the tubes

TB5(6)   TB5(6)

F221B1/2 BK210

40
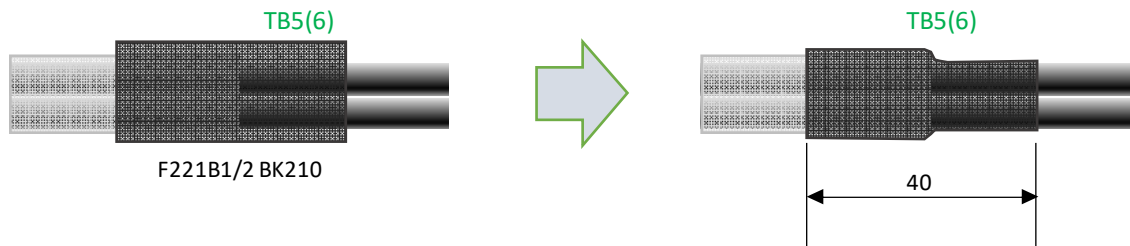
(4) Slide the shells of the RCA plugs (P9-10) onto the wires

P9-10

Shells of F-09

(5) Strip the insulators of the wires

11

1   2

4

Twist the red wire and solder it

Twist the white wire and shield, and solder them

(6) Solder the red wire to the hot terminal

Plug of F-09

(7) Solder the white wire and shield to the cold terminal, and crimp the sheath of the cable
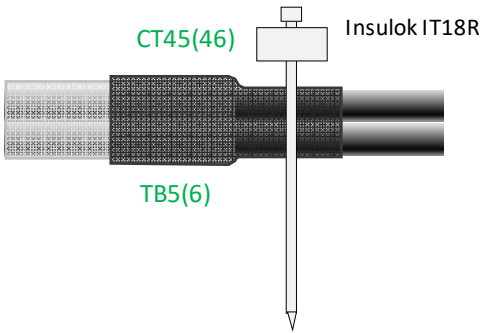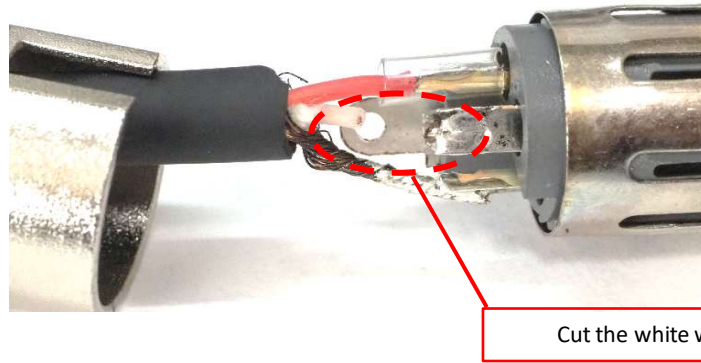

Plug of F-09

(8) Fix the shell

F-09

(9) Attach cable ties

Mark CT45-46 following the table on right.

Tie CT45-46 onto the tubes (TB5-6)

Ref des	End	Marking
CT45	Network	CB12 HIGH OUT
CT46	Tweeter amp	CB12 HIGH IN

CT45(46)   Insulok IT18R

TB5(6)
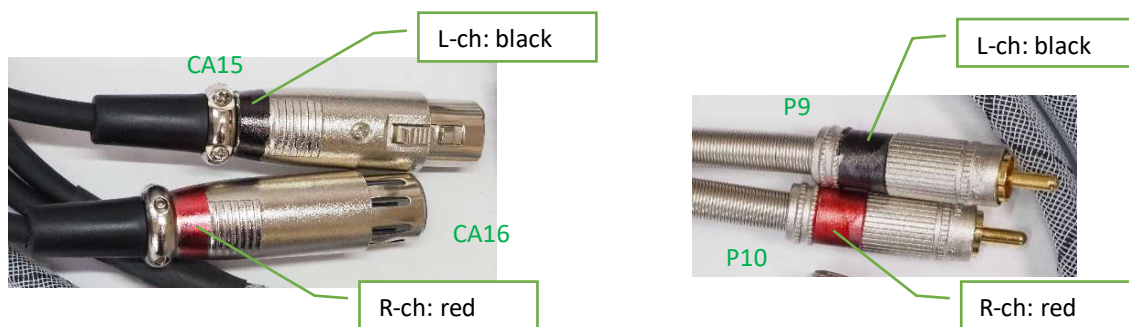
(10) Make pin-3 (cold) of the XLR connectors open
      Dismantle the XLR connectors.
      Cut the white wire off the pin-3 (cold).
      Refix the connector.

Cut the white wire off the pin-3

(11) Mark connectors

Mark the connectors with a marking pen as shown below.

CA15
L-ch: black
CA16
R-ch: red

P9
L-ch: black
P10
R-ch: red

CB13: Network to Squawker Amp (for temporal use)
Tools: wire stripper, cutter, nipper, solder, soldering iron, blower, sissors, marking pens (black & red)
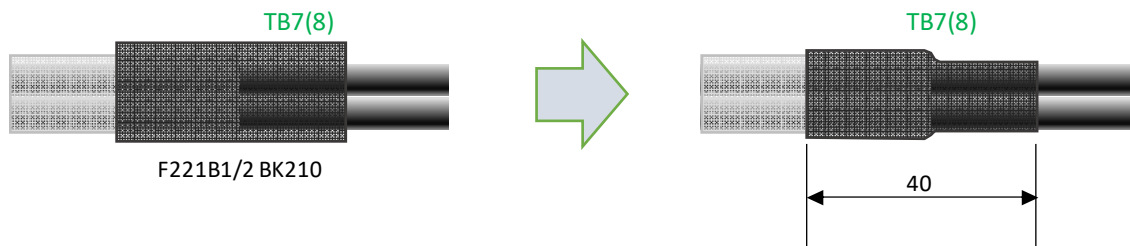(1) Cut 2 cable assys (Pro CXX050) into 1.5m long (CA17-18)

XLR jacks
CA17
To Squawker amp
CA18
Classic Pro CXX050
To Network
1500
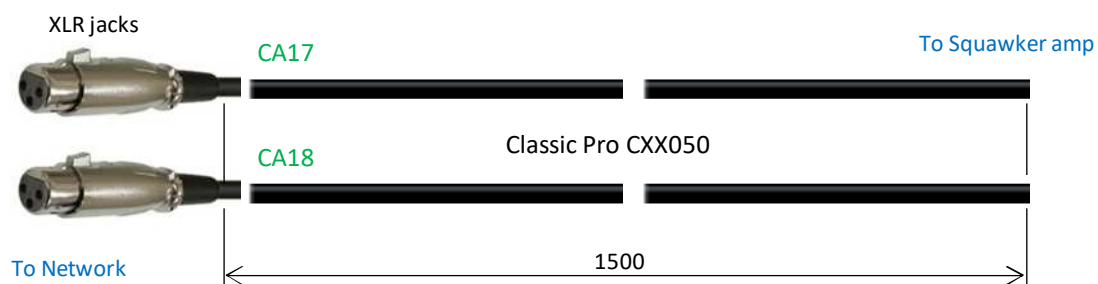
(2) Cut sleeving (FRN0.25TW) into 1.2m (SV4) and slide it onto the cabel assys CA17-18
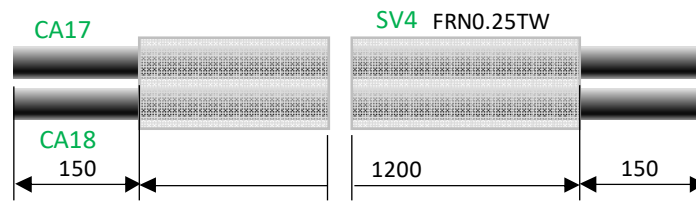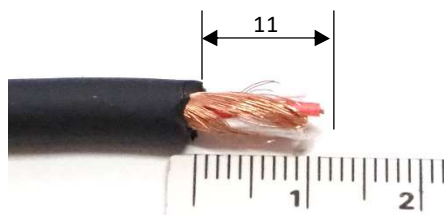
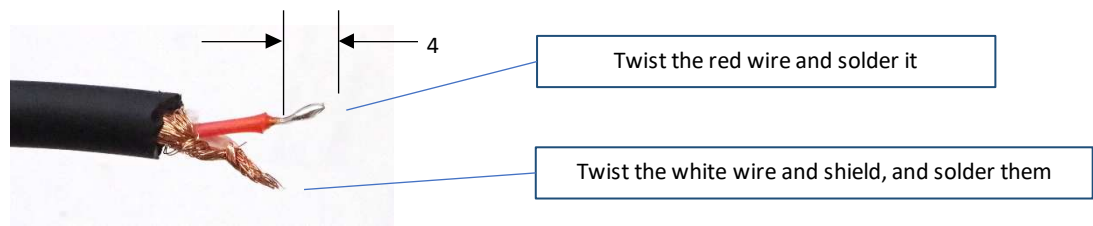(3) Cut the srink tubes into two 40mm ones (TB7-8) and slide them onto the wires and sleevings, and shrink the tubes

(4) Slide the shells of the RCA plugs (P11-12) onto the wires

(5) Strip the insulators of the wires

Twist the red wire and solder it

Twist the white wire and shield, and solder them

(6) Solder the red wire to the hot terminal

Plug of F-09

(7) Solder the white wire and shield to the cold terminal, and crimp the sheath of the cable

Plug of F-09
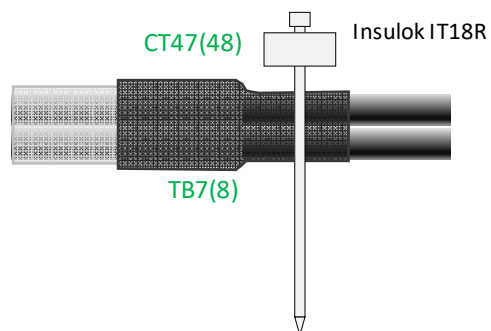
(8) Fix the shell

F-09

(9) Attach cable ties

Mark CT47-48 following the table on right.

Tie CT47-48 onto the tube (TB7-8)

Ref des	End	Marking
CT47	Network	CB13 MID OUT
CT48	Squawker amp	CB13 MID IN

CT47(48)   Insulok IT18R
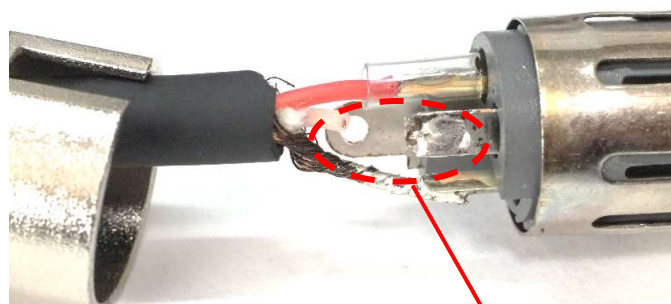
TB7(8)

(10) Make pin-3 (cold) of the XLR connectors open
    Dismantle the XLR connectors.
    Cut the white wire off the pin-3 (cold).
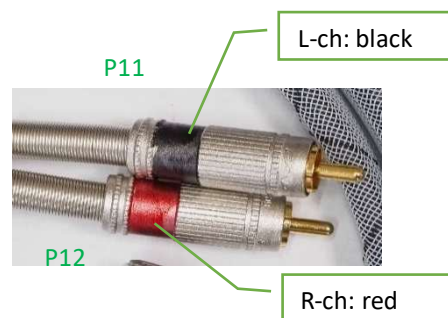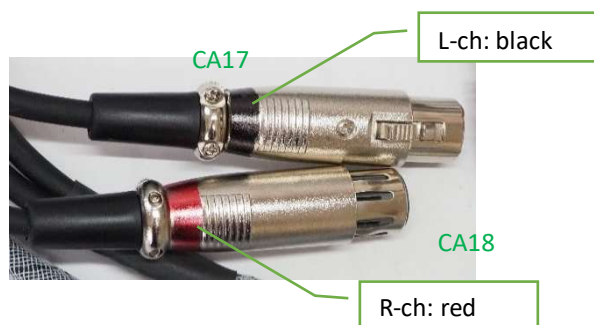   Refix the connector.

Cut the white wire off the pin-3

(11) Mark connectors
    Mark the connectors with a marking pen as shown below.

CA17   L-ch: black

CA18

R-ch: red

P11   L-ch: black

P12

R-ch: red

CB14: Network to Woofer Amp (L)

Tools: wire stripper, cutter, nipper, solder, soldering iron

(1) Cut cable assy (Pro CXX050) into 1.5m long (CA19)

XLR jack

CA19

Classic Pro CXX050

To Woofer amp (L)

To Network

1500
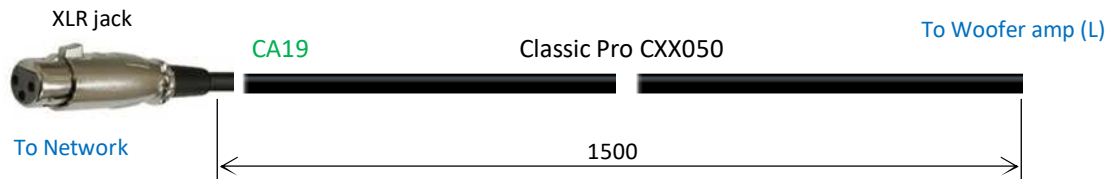
(2) Slide the shells of the RCA plug (P13) onto the wire
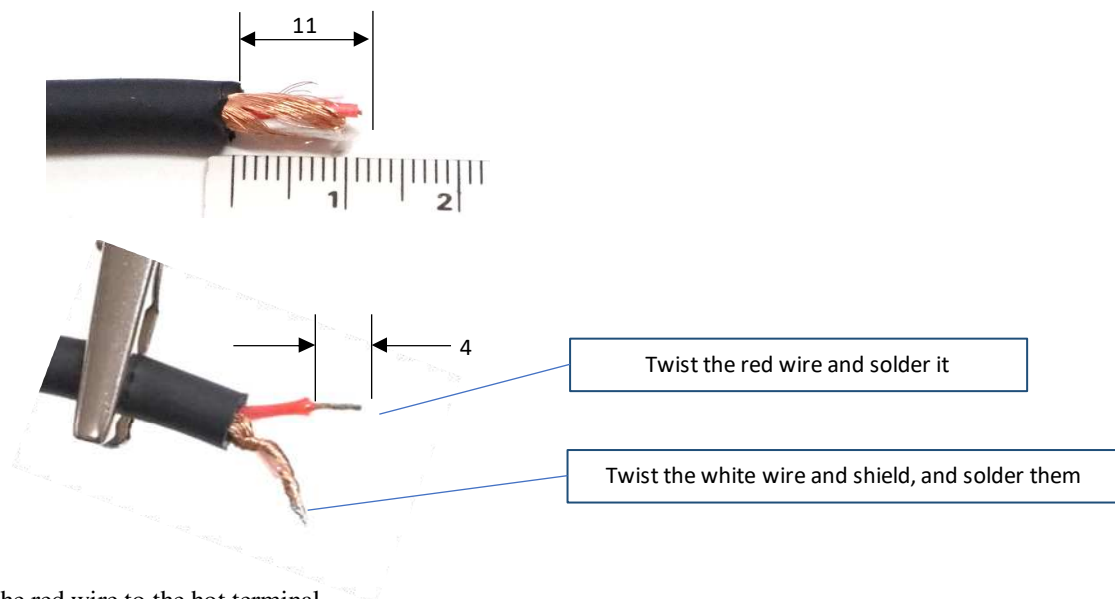
P13

Shells of F-09

(3) Strip the insulators of the wires

11

1   2

4

Twist the red wire and solder it

Twist the white wire and shield, and solder them

(4) Solder the red wire to the hot terminal

P13

Plug of F-09

(5) Solder the white wire and shield to the cold terminal, and crimp the sheath of the cable
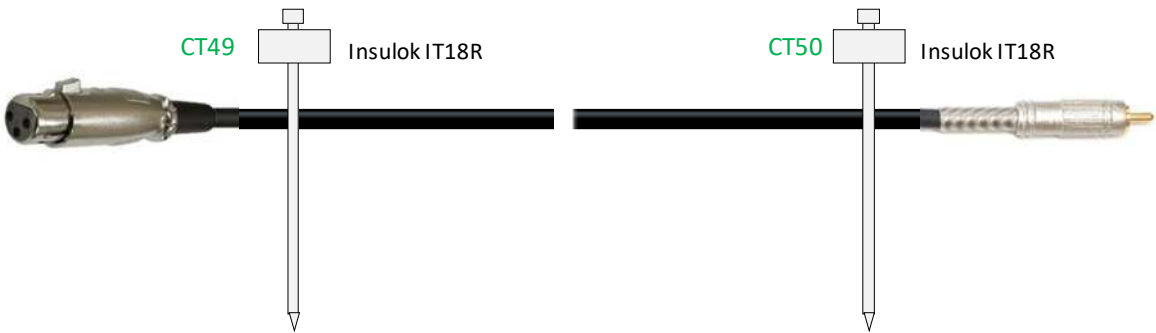
P13

Plug of F-09

(6) Fix the shell

F-09

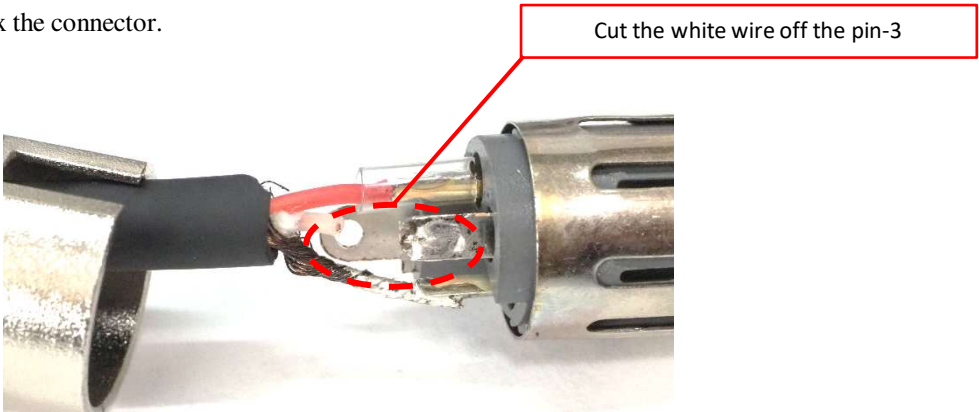**(7) Attach cable ties**

Mark CT49-50 following the table on right.

Tie CT49-50 onto the wire near the connector

Ref des	End	Marking
CT49	Network	CB14 LOW OUT L
CT50	Woofer amp (L)	CB14 LOW IN L

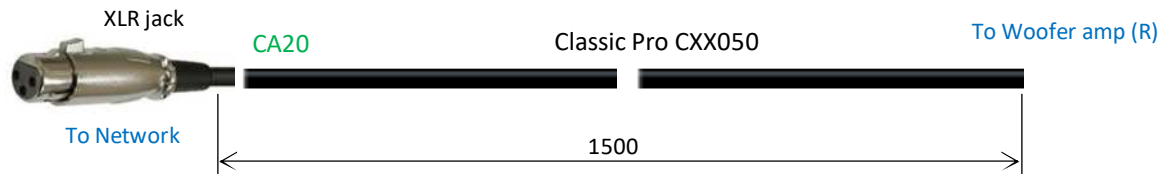CT49   Insulok IT18R   CT50   Insulok IT18R

(8) Make pin-3 (cold) of the XLR connectors open

Dismantle the XLR connectors.

Cut the white wire off the pin-3 (cold).

Refix the connector.

Cut the white wire off the pin-3

CB15: Network to Woofer Amp (R)
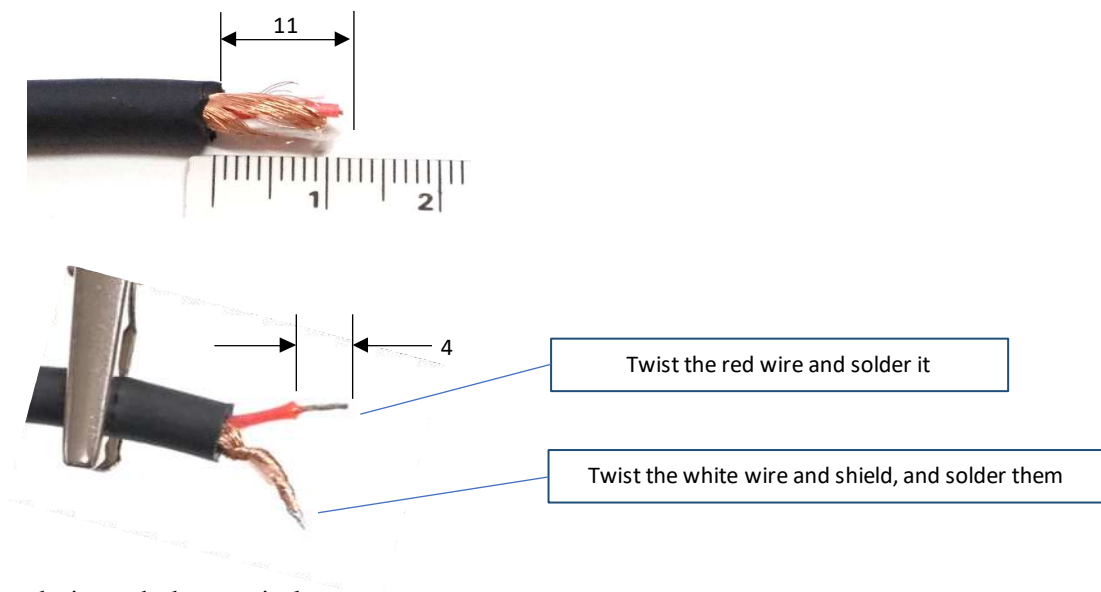**Tools: wire stripper, cutter, nipper, solder, soldering iron**

(1) Cut cable assy (Pro CXX050) into 1.5m long (CA20)

XLR jack

CA20   Classic Pro CXX050   To Woofer amp (R)

To Network

1500

(2) Slide the shells of the RCA plug (P14) onto the wire

P14

Shells of F-09

(3) Strip the insulators of the wires

11

1   2

4

Twist the red wire and solder it

Twist the white wire and shield, and solder them

(4) Solder the red wire to the hot terminal

P14

Plug of F-09

(5) Solder the white wire and shield to the cold terminal, and crimp the sheath of the cable

P14

Plug of F-09
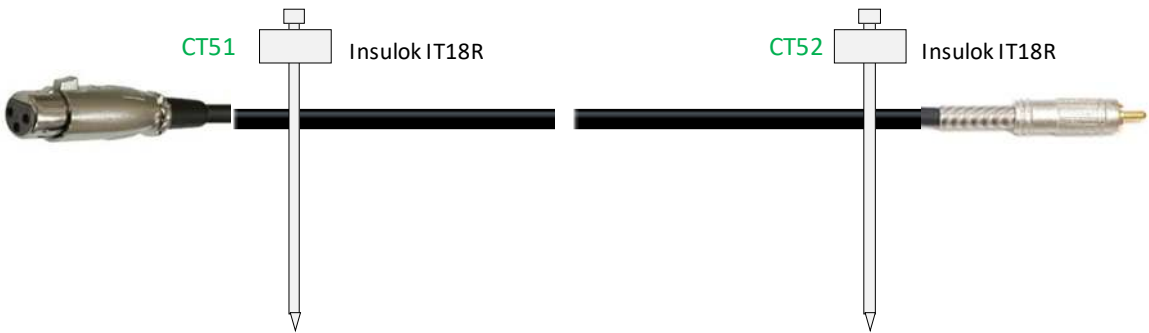
(6) Fix the shell

F-09

(7) Attach cable ties

Mark CT51-52 following the table on right.

Tie CT51-52 onto the wire near the connector

Ref des	End	Marking
CT51	Network	CB15 LOW OUT R
CT52	Woofer amp (R)	CB15 LOW IN R

CT51   Insulok IT18R   CT52   Insulok IT18R

(8) Make pin-3 (cold) of the XLR connectors open

Dismantle the XLR connectors.

Cut the white wire off the pin-3 (cold).

Refix the connector.

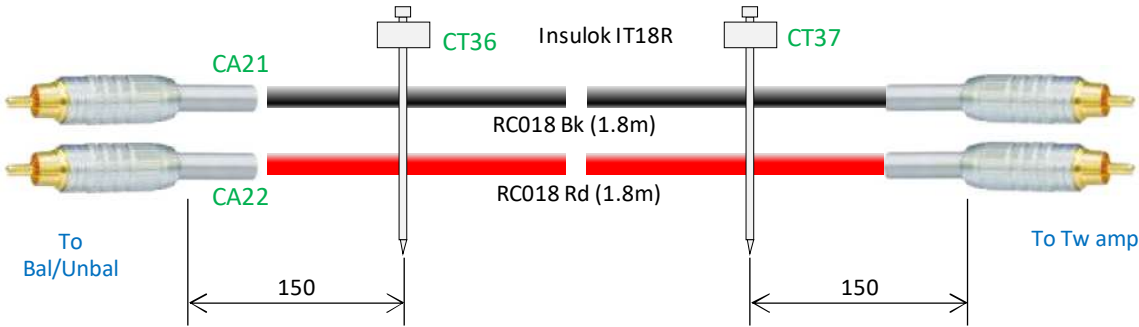Cut the white wire off the pin-3
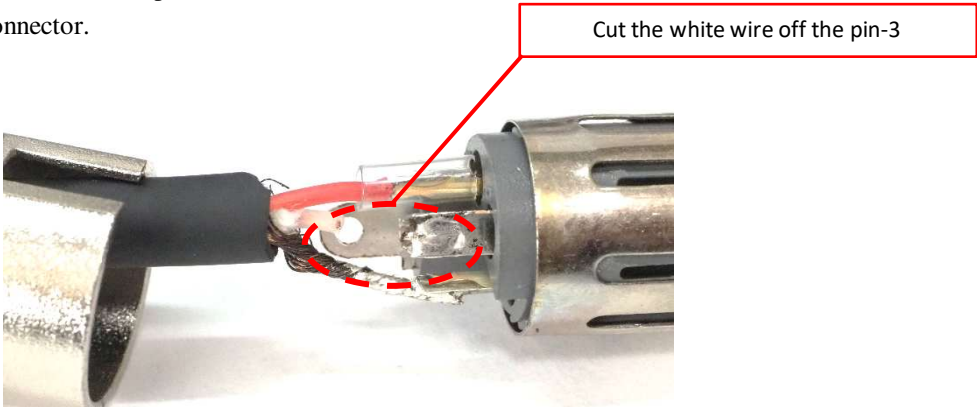
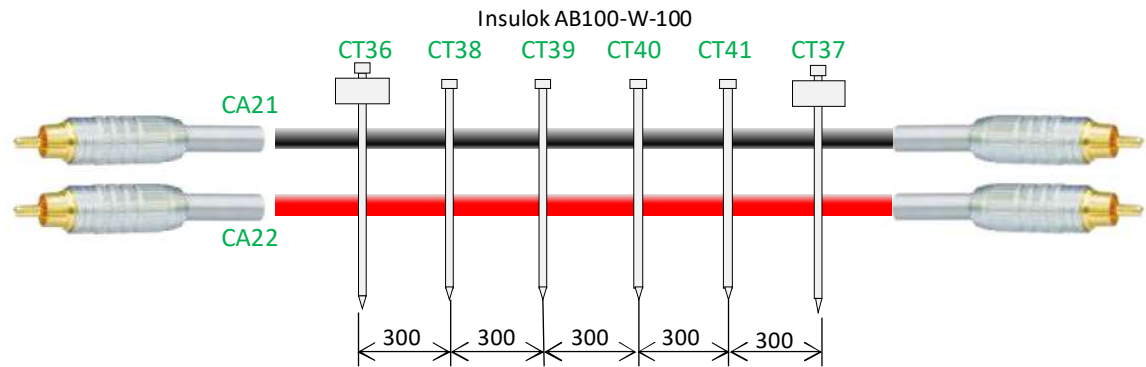## CB16: Bal/Unbal Converter to Tweeter Amp
Tools: nipper

(1) Mark the cable ties CT36-37 (Insulok IT18R) and tie the cable assys CA21-22 with them.

Mark CT36-37 following the table on right.

Tie CT36-37 at the points shown in the figure below.

Ref des	End	Marking
CT36	Bal/Unbal	CB16 Bal/Unbal
CT37	Tweeter amp	CB16 Tw amp

CA21   CT36   Insulok IT18R   CT37

RC018 Bk (1.8m)

CA22

RC018 Rd (1.8m)

To
Bal/Unbal

To Tw amp

150   150

(2) Tie cable assys CA21-22 with cable tie CT38-41 (Insulok AB100-W-100) at intervals of 300mm.

Insulok AB100-W-100

CT36   CT38   CT39   CT40   CT41   CT37

CA21

CA22

300   300   300   300   300

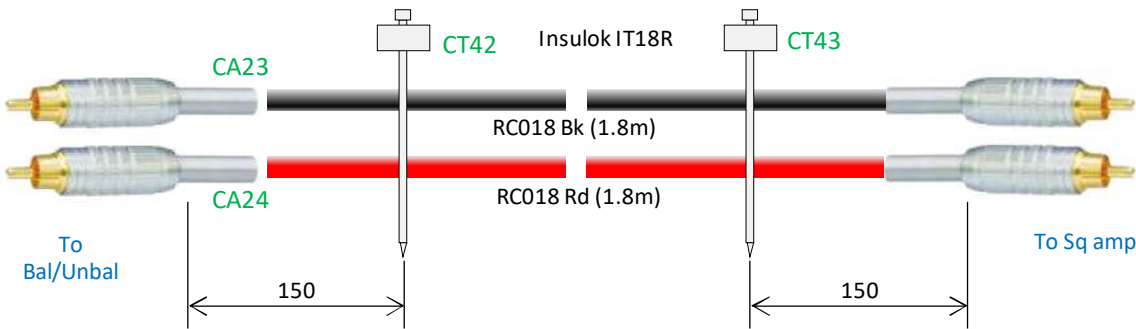## CB17: Bal/Unbal Converter to Squawker Amp
Tools: nipper

(1) Mark the cable ties CT42-43 (Insulok IT18R) and tie the cable assys CA23-24 with them.
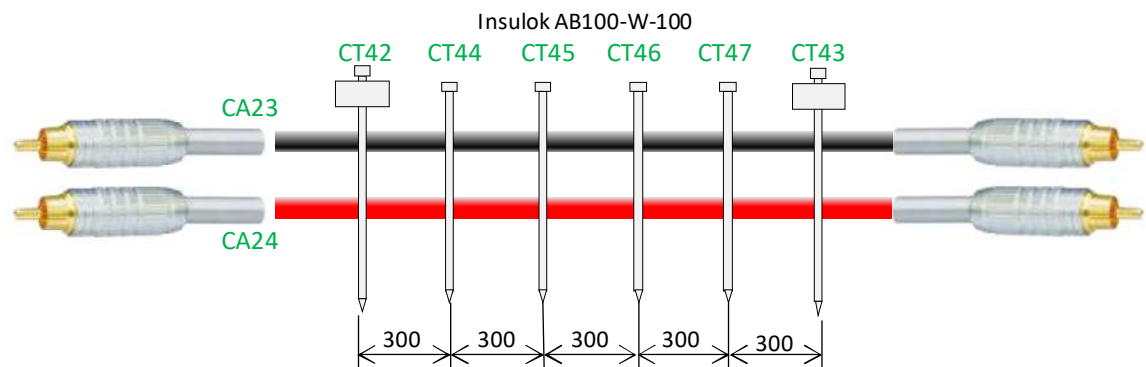
Mark CT42-43 following the table on right.

Tie CT42-43 at the points shown in the figure below.

Ref des	End	Marking
CT42	Bal/Unbal	CB17 Bal/Unbal
CT43	Squawker amp	CB17 Sq amp

CT42   Insulok IT18R   CT43

CA23

CA24

RC018 Bk (1.8m)

RC018 Rd (1.8m)

To
Bal/Unbal   To Sq amp

150   150

(2) Tie cable assys CA23-24 with cable tie CT44-47 (Insulok AB100-W-100) at intervals of 300mm.

Insulok AB100-W-100

CT42   CT44   CT45   CT46   CT47   CT43

CA23

CA24
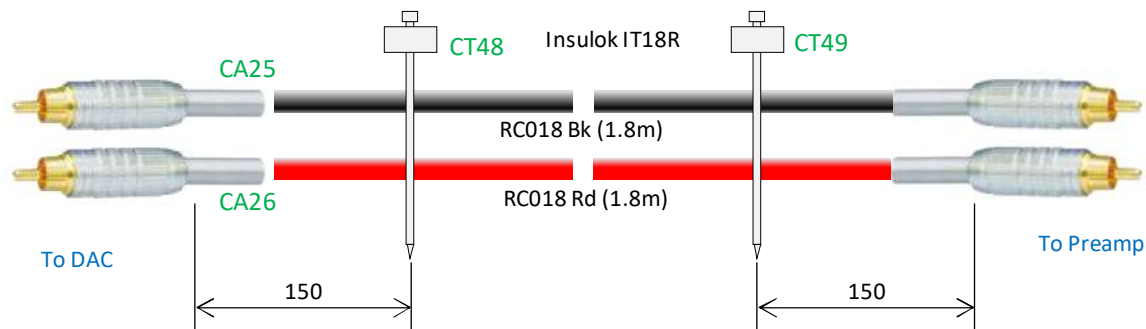
300   300   300   300   300
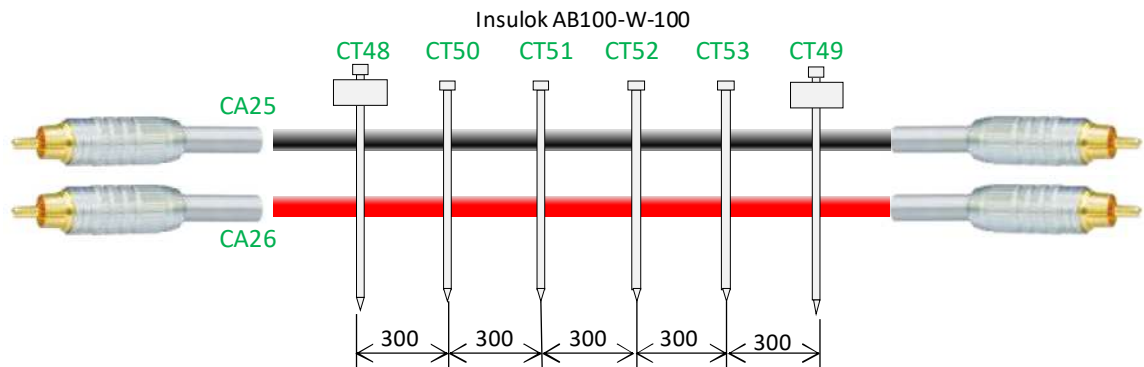
CB18: DAC to Preamp

Tools: nipper

(1) Mark the cable ties CT48-49 (Insulok IT18R) and tie the cable assys CA25-26 with them.

Mark CT48-49 following the table on right.

Tie CT48-49 at the points shown in the figure below.

Ref des	End	Marking
CT48	DAC	CB18 LINE OUT
CT49	Preamp	CB18 DAC

(2) Tie cable assys CA25-26 with cable tie CT50-53 (Insulok AB100-W-100) at intervals of 300mm.

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