LINE CABLES *Design*
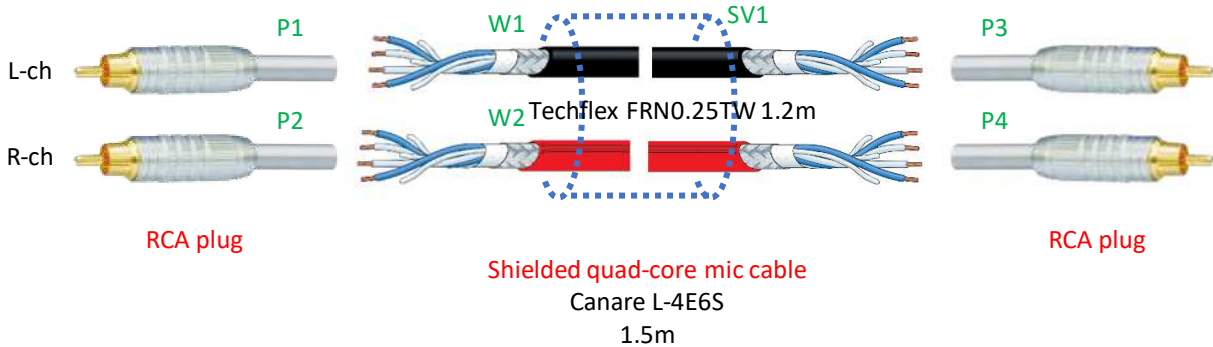
2021/10/26

Design

DAC to Preamp: CB1

RCA plug <==> RCA plug, unbalanced, 1.5m

L-ch   P1   W1   SV1   P3

R-ch   P2   W2   Techflex FRN0.25TW 1.2m   P4

RCA plug   RCA plug

Shielded quad-core mic cable
Canare L-4E6S
1.5m

DAC ⟶ Preamp

P L U G	Hot	<=	Blue		Blue	=>	Hot	P L U G
		<=	Blue		Blue	=>		
	Cold	<=	White		White	=>	Cold	
		<=	White		White	=>		
		x	Shield		Shield	=>		
Cable end		TB1, CT1		<== See 'Assy' sheet ==>		TB2, CT2		Cable end

Preamp to DAR: CB2

RCA plug <==> RCA plug, unbalanced, 2m

L-ch   P5   W3   SV2   P7

R-ch   P6   W4   Techflex FRN0.25TW   P8

RCA plug   RCA plug

Shielded quad-core mic cable
Canare L-4E6S
2m

Preamp ⟶ DAR

P L U G	Hot	<=	Blue		Blue	=>	Hot	P L U G
		<=	Blue		Blue	=>		
	Cold	<=	White		White	=>	Cold	
		<=	White		White	=>		
		x	Shield		Shield	=>		
Cable end		TB3, CT3		<== See 'Assy' sheet ==>		TB4, CT4		Cable end

DAR to Preamp: CB3

RCA plug <==> RCA plug, unbalanced, 1.8m

Cable tie
Insulok AB100-W-100
<-- CT7-10 -->

CA1   CT5   CT6

L-ch

R-ch

CA2

RCA - RCA cable
Canare RC018 Bk & Rd
1.8m

DAR ⟶ Preamp

Cable end	CT5	<== See 'Assy' sheet ==>	CT6	Cable end
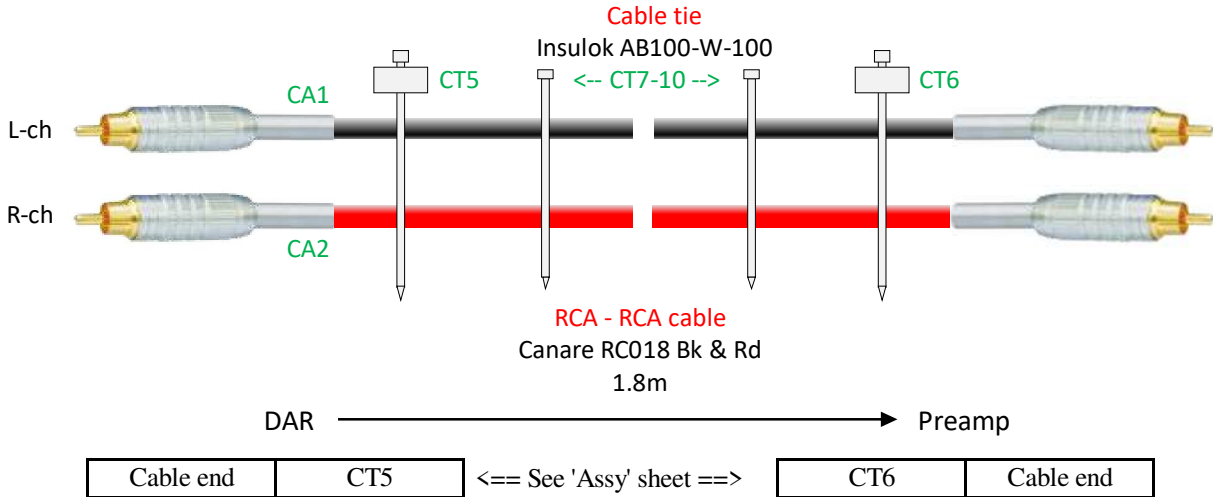
BDP to Preamp: CB4

RCA plug <==> RCA plug, unbalanced, 3m

CA3   CT11   <-- CT13-20 -->   CT12

L-ch

CA4

R-ch

RCA - RCA cable
Canare RC03 (Bk & Rd)
3m

BDP ⟶ Preamp

Cable end	CT11	<== See 'Assy' sheet ==>	CT12	Cable end
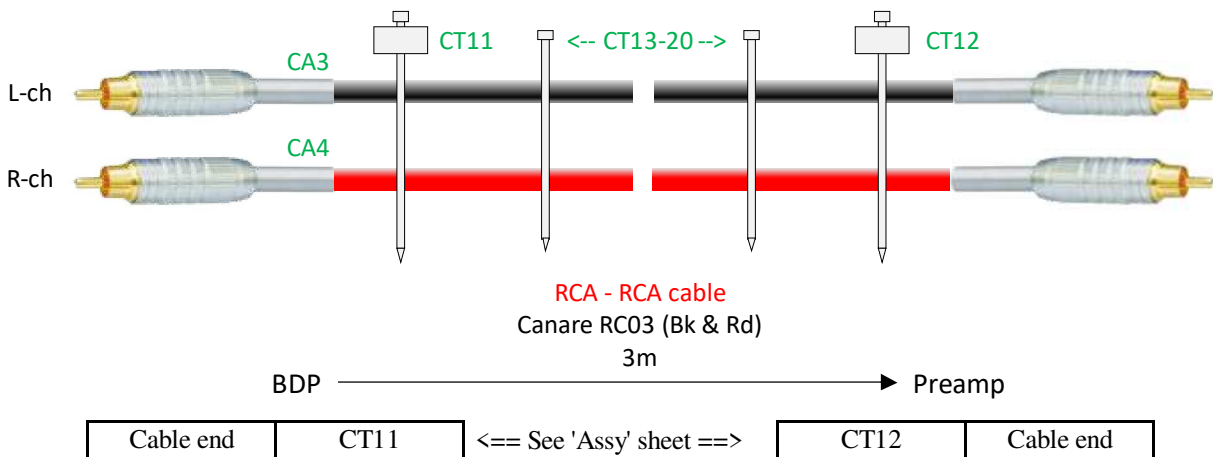
Preamp to Network: CB5

RCA plug <==> XLR plug, unbalanced, 3m

CT21   <-- CT23-30 -->   CT22

CA5

L-ch

CA6

R-ch

RCA-XLR (male) cable
Canare RC03-B2 (Bk & Rd)
3m

Preamp ——————————————→ Network

Cable end	CT21	<== See 'Assy' sheet ==>	CT22	Cable end
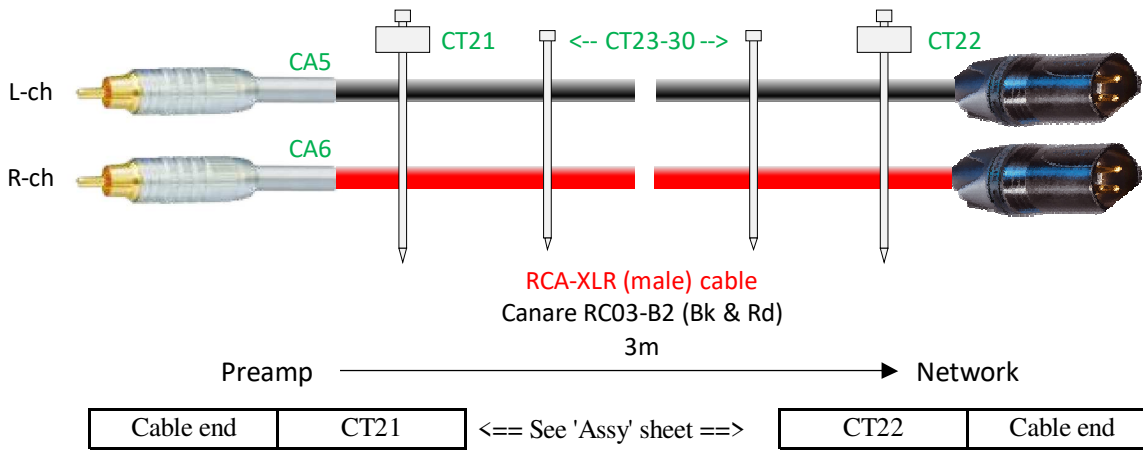
Network to Tweeter/Squawker Amp: CB6, CB7

XLR jack <==> XLR plug, balanced, 1m, 2 pairs

CT33
CT36

High

CT31   CA7,9   CT32
CT34   CT35

Mid

CA8,10

XLR (female) - XLR (male) cable
Canare EC01-B (Bk & Rd)
1m

Network ——————————————→ Tweeter/squawker amp

Cable end	CT31,CT34	<== See 'Assy' sheet ==>	CT32,CT35	Cable end
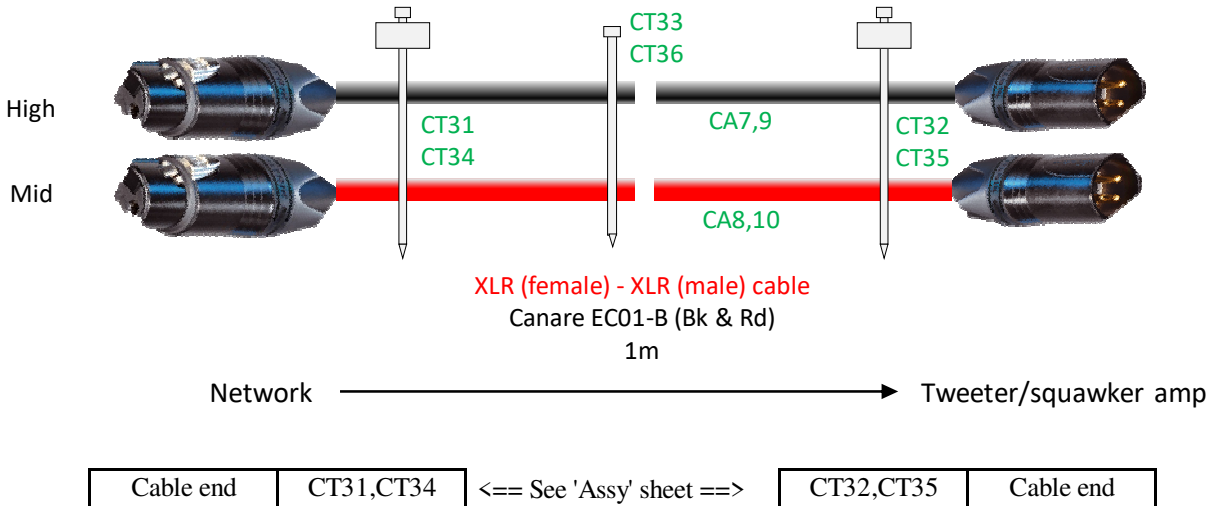
Network to Master Volume: CB8, CB9

XLR jack <==> XLR plug, balanced, 1.5m

| L-ch | CA11 | CB8 |

XLR (female) - XLR (male) cable
Canare EC015-B (Bk & Rd)
1.5m

| R-ch | CA12 | CB9 |

Network ————————————————> Master volume

| Cable end | CT37, CT39 | <== See 'Assy' sheet ==> | CT38, CT40 | Cable end |
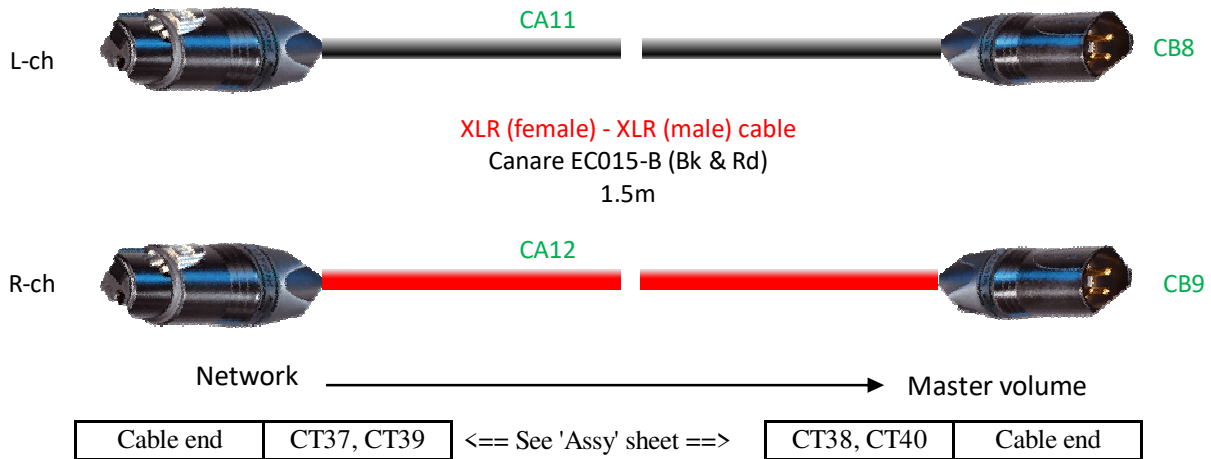
Master Volume to Woofer Amp: CB10, CB11

RCA plug <==> RCA plug, unbalanced, 1.8m

| L-ch | CA13 | |
| | | CB10 |

RCA-RCA cable
Canare RC018 (Bk & Rd)
1.8m

| | CA14 | CB11 |
| R-ch | | |

Master volume ————————————————> Woofer amp

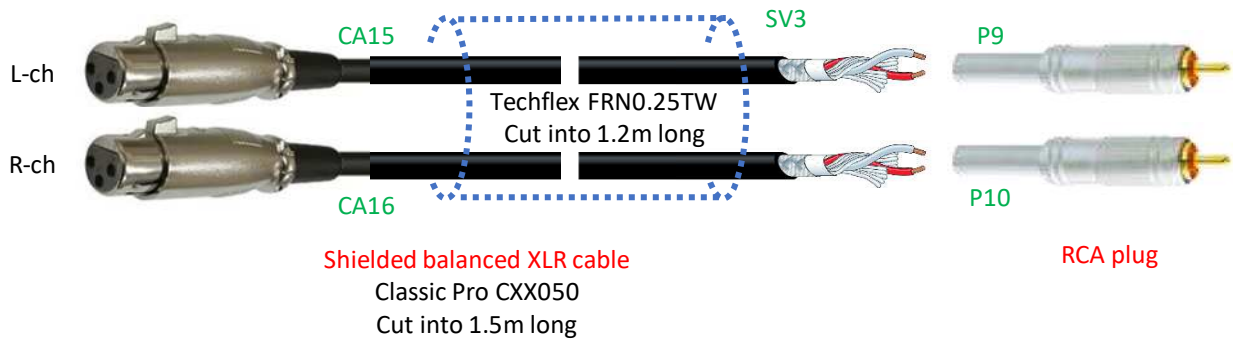| Cable end | CT41, CT43 | <== See 'Assy' sheet ==> | CT42, CT44 | Cable end |
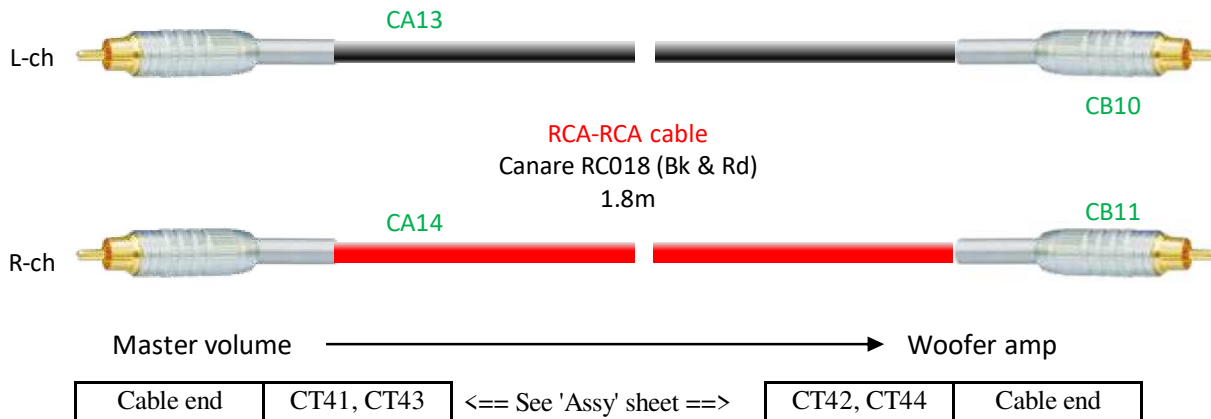
Network to Tweeter Amp: CB12

XLR jack <==> RCA plug, unbalanced, 1.5m

This cable is for temporary use.

Network ➡ **Tweeter amp**

JACK	2. Hot	<=	Red			Red	=>	Hot	PLUG
	3. Cold		(open)			White	=>	Cold	
	1. GND	<=	Shield			Shield	=>		
Cable end	TB5, CT41			<== See 'Assy' sheet ==>		TB6, CT42		Cable end	

Network to Squawker Amp: CB13

XLR jack <==> RCA plug, unbalanced, 1.5m

This cable is for temporary use.
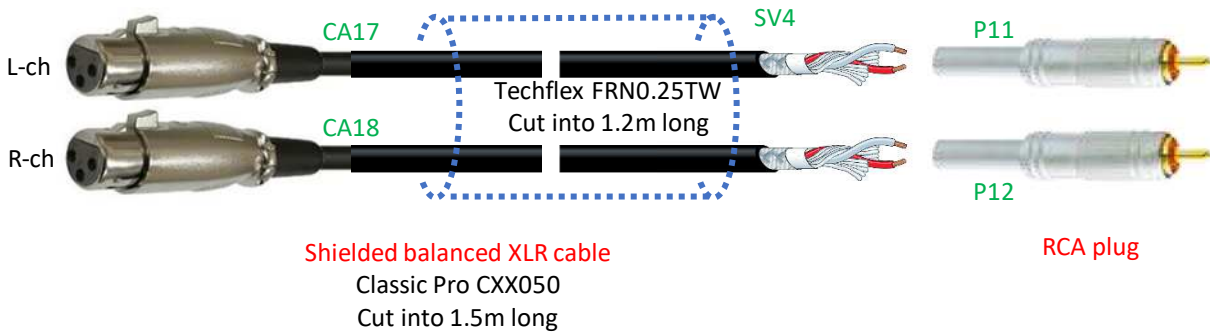
Network ➡ **Squawker amp**

JACK	2. Hot	<=	Red			Red	=>	Hot	PLUG
	3. Cold		(open)			White	=>	Cold	
	1. GND	<=	Shield			Shield	=>		
Cable end	TB7, CT43			<== See 'Assy' sheet ==>		TB8, CT44		Cable end	

Network to Woofer Amp: CB14, CB15

XLR jack <==> RCA plug, unbalanced, 1.5m
This cable is for temporary use.

L-ch   CA19   P13   CB14

Shielded balanced XLR cable
Classic Pro CXX050
Cut into 1.5m long

RCA plug

R-ch   CA20   P14   CB15
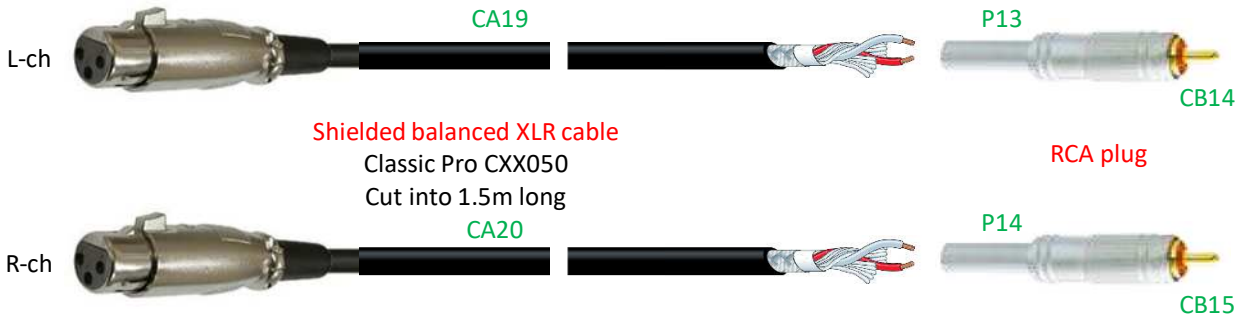
Network ————————————————> Woofer amp

J A C K	2. Hot	<=	Red		Red	=>	Hot	P L U G
	3. Cold		(open)		White	=>	Cold	
	1. GND	<=	Shield		Shield	=>		
Cable end	CT45, CT47			<== See 'Assy' sheet ==>	CT46, CT48		Cable end	

[END OF DOCUMENT]