

Cable Type	Twisted Pair	Item	Manufacturers Part Number	Digikey Part Number
Wire Guage	24 AWG	Backshell	8655MH0901BLF	609-3129-ND
Shield Type	Shielded	Male Connector	1757819-6	A34455-ND
Manufacturer	best available	Female Connector	1757820-6	A34454-ND
Part Number				

Connector Type P1:	DB9M
Connector Gender P1:	Male, PN 1757819-6
Shield of P1:	Shield to Backshell

Connector Type P2:	DB9F
Connector Gender P2:	Female, PN 1757820-6
Shield of P2:	Cut, No Connection

Pinning Information:	
P1 pin 1 to P2 pin 1	Twisted Pair 1
P1 pin 2 to P2 pin 2	Twisted Pair 2
P1 pin 3 to P2 pin 3	Twisted Pair 3
P1 pin 4 to P2 pin 4	Twisted Pair 4
P1 pin 5 to P2 pin 5	Connect
P1 pin 6 to P2 pin 6	Twisted Pair 1
P1 pin 7 to P2 pin 7	Twisted Pair 2
P1 pin 8 to P2 pin 8	Twisted Pair 3
P1 pin 9 to P2 pin 9	Twisted Pair 4

Cable Number	Cable length (ft) Tolerance ±0.5ft
ISC_SQ_537	120
ISC_SQ_539	120
Total Length =	240

Notes

- 1) An individual cable name label on each end of the cable.
- 2) All ground to back shell connections will need to be soldered to the back shell instead of just being clamped.
- 3) Mark each end either "Shield Terminated" or "Shield Not Terminated"

Cable Type	Twisted Pair	Item	Manufacturers Part Number	Digikey Part Number
Wire Guage	24 AWG	Backshell	8655MH1501BLF	609-3130-ND
Shield Type	Shielded	Male Connector	1757819-7	A34457-ND
Manufacturer	best available	Female Connector	1757820-7	A34456-ND
Part Number				

Connector Type P1:	D15M
Connector Gender P1:	Male, PN 1757819-7
Shield of P1:	Shield to Backshell

Connector Type P2:	D15F
Connector Gender P2:	Female, PN 1757820-7
Shield of P2:	Cut, No Connection

Pinning Information:	
P1 pin 1 to P2 pin 1	Twisted Pair 1
P1 pin 2 to P2 pin 2	Twisted Pair 2
P1 pin 3 to P2 pin 3	Twisted Pair 3
P1 pin 4 to P2 pin 4	Twisted Pair 4
P1 pin 5 to P2 pin 5	Twisted Pair 5
P1 pin 6 to P2 pin 6	Twisted Pair 6
P1 pin 7 to P2 pin 7	Twisted Pair 7
P1 pin 8 to P2 pin 8	Connect
P1 pin 9 to P2 pin 9	Twisted Pair 1
P1 pin 10 to P2 pin 10	Twisted Pair 2
P1 pin 11 to P2 pin 11	Twisted Pair 3
P1 pin 12 to P2 pin 12	Twisted Pair 4
P1 pin 13 to P2 pin 13	Twisted Pair 5
P1 pin 14 to P2 pin 14	Twisted Pair 6
P1 pin 15 to P2 pin 15	Twisted Pair 7

Cable Number	Cable length (ft) Tolerance ±0.5ft
ISC SQ 546 2	35
Total Length =	35

Notes

- 1) An individual cable name label on each end of the cable.
- 2) All ground to back shell connections will need to be soldered to the back shell instead of just being clamped.
- 3) Mark each end either "Shield Terminated" or "Shield Not Terminated"

Cable Type	Twisted Pair	Item	Manufacturers Part Number	Digikey Part Number
Wire Guage	24 AWG	Backshell	8655MH2501BLF	609-3131-ND
Shield Type	Shielded	Male Connector	1757819-8	A34459-ND
Manufacturer	best available	Female Connector	1757820-8	A34458-ND
Part Number				

Connector Type P1:	D25M
Connector Gender P1:	Male, PN 1757819-8
Shield of P1:	Shield to Backshell

Connector Type P2:	D25F
Connector Gender P2:	Female, PN 1757820-8
Shield of P2:	Cut, No Connection

Pinning Information:	
P1 pin 1 to P2 pin 1	Twisted Pair 1
P1 pin 2 to P2 pin 2	Twisted Pair 2
P1 pin 3 to P2 pin 3	Twisted Pair 3
P1 pin 4 to P2 pin 4	Twisted Pair 4
P1 pin 5 to P2 pin 5	Twisted Pair 5
P1 pin 6 to P2 pin 6	Twisted Pair 6
P1 pin 7 to P2 pin 7	Twisted Pair 7
P1 pin 8 to P2 pin 8	Twisted Pair 8
P1 pin 9 to P2 pin 9	Twisted Pair 9
P1 pin 10 to P2 pin 10	Twisted Pair 10
P1 pin 11 to P2 pin 11	Twisted Pair 11
P1 pin 12 to P2 pin 12	Twisted Pair 12
P1 pin 13 to P2 pin 13	Connect
P1 pin 14 to P2 pin 14	Twisted Pair 1
P1 pin 15 to P2 pin 15	Twisted Pair 2
P1 pin 16 to P2 pin 16	Twisted Pair 3
P1 pin 17 to P2 pin 17	Twisted Pair 4
P1 pin 18 to P2 pin 18	Twisted Pair 5
P1 pin 19 to P2 pin 19	Twisted Pair 6
P1 pin 20 to P2 pin 20	Twisted Pair 7
P1 pin 21 to P2 pin 21	Twisted Pair 8
P1 pin 22 to P2 pin 22	Twisted Pair 9
P1 pin 23 to P2 pin 23	Twisted Pair 10
P1 pin 24 to P2 pin 24	Twisted Pair 11
P1 pin 25 to P2 pin 25	Twisted Pair 12

Cable Number	Cable length (ft) Tolerance ±0.5ft
ISC_SQ_542	130
Total Length =	130

Notes

- 1) An individual cable name label on each end of the cable.
- 2) All ground to back shell connections will need to be soldered to the back shell instead of just being clamped.
- 3) Mark each end either "Shield Terminated" or "Shield Not Terminated"

Cable Type	Twisted Pair	Item	Manufacturers Part Number	Digikey Part Number
Wire Guage	24 AWG	Backshell	8655MH3701BLF	609-3132-ND
Shield Type	Shielded	Male Connector	1757819-9	A34461-ND
Manufacturer	best available	Female Connector	1757820-9	A34460-ND
Part Number				

Connector Type P1:	D37M
Connector Gender P1:	Male, PN 1757819-9
Shield of P1:	Shield to Backshell

Connector Type P2:	D37F
Connector Gender P2:	Female, PN 1757820-9
Shield of P2:	Cut, No Connection

Pinning Information:	
P1 pin 1 to P2 pin 1	Twisted Pair 1
P1 pin 2 to P2 pin 2	Twisted Pair 2
P1 pin 3 to P2 pin 3	Twisted Pair 3
P1 pin 4 to P2 pin 4	Twisted Pair 4
P1 pin 5 to P2 pin 5	Twisted Pair 5
P1 pin 6 to P2 pin 6	Twisted Pair 6
P1 pin 7 to P2 pin 7	Twisted Pair 7
P1 pin 8 to P2 pin 8	Twisted Pair 8
P1 pin 9 to P2 pin 9	Twisted Pair 9
P1 pin 10 to P2 pin 10	Twisted Pair 10
P1 pin 11 to P2 pin 11	Twisted Pair 11
P1 pin 12 to P2 pin 12	Twisted Pair 12
P1 pin 13 to P2 pin 13	Twisted Pair 13
P1 pin 14 to P2 pin 14	Twisted Pair 14
P1 pin 15 to P2 pin 15	Twisted Pair 15
P1 pin 16 to P2 pin 16	Twisted Pair 16
P1 pin 17 to P2 pin 17	Twisted Pair 17
P1 pin 18 to P2 pin 18	Twisted Pair 18
P1 pin 19 to P2 pin 19	Connect
P1 pin 20 to P2 pin 20	Twisted Pair 1
P1 pin 21 to P2 pin 21	Twisted Pair 2
P1 pin 22 to P2 pin 22	Twisted Pair 3
P1 pin 23 to P2 pin 23	Twisted Pair 4
P1 pin 24 to P2 pin 24	Twisted Pair 5
P1 pin 25 to P2 pin 25	Twisted Pair 6
P1 pin 26 to P2 pin 26	Twisted Pair 7
P1 pin 27 to P2 pin 27	Twisted Pair 8
P1 pin 28 to P2 pin 28	Twisted Pair 9
P1 pin 29 to P2 pin 29	Twisted Pair 10
P1 pin 30 to P2 pin 30	Twisted Pair 11
P1 pin 31 to P2 pin 31	Twisted Pair 12
P1 pin 32 to P2 pin 32	Twisted Pair 13
P1 pin 33 to P2 pin 33	Twisted Pair 14
P1 pin 34 to P2 pin 34	Twisted Pair 15
P1 pin 35 to P2 pin 35	Twisted Pair 16
P1 pin 36 to P2 pin 36	Twisted Pair 17
P1 pin 37 to P2 pin 37	Twisted Pair 18

Cable Number	Cable length (ft) Tolerance ±0.5ft
ISC_SQ_540	130
ISC_SQ_541	130
ISC_SQ_543	130
Total Length =	390

Notes

- 1) An individual cable name label on each end of the cable.
- 2) All ground to back shell connections will need to be soldered to the back shell instead of just being clamped.
- 3) Mark each end either "Shield Terminated" or "Shield Not Terminated"