

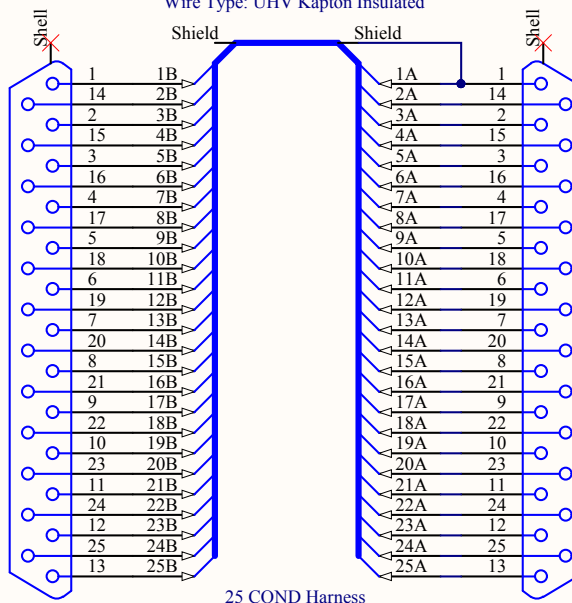
Total Roundtrip Resistance = 6.604m \* 0.0586 ohms/m \*2 = 0.77ohms

This cable must have an overall PEEK protective braid plus shield. Accu-Glass part number details are TBD

Accu-Glass Wire Type: 112678  
Cable Length: 260 +/- 3 Inches  
Wire Gauge: 22 AWG,  
Wire Resistance: 0.0586 ohms/meter  
Wire Type: UHV Kapton Insulated

Pinning Information:

- P1 pin 13 to P2 pin 13 - Twisted Pair 1
- P1 pin 12 to P2 pin 12 - Twisted Pair 2
- P1 pin 11 to P2 pin 11 - Twisted Pair 3
- P1 pin 10 to P2 pin 10 - Twisted Pair 4
- P1 pin 9 to P2 pin 9 - Twisted Pair 5
- P1 pin 8 to P2 pin 8 - Twisted Pair 6
- P1 pin 7 to P2 pin 7 - Twisted Pair 7
- P1 pin 6 to P2 pin 6 - Twisted Pair 8
- P1 pin 5 to P2 pin 5 - Twisted Pair 9
- P1 pin 4 to P2 pin 4 - Twisted Pair 10
- P1 pin 3 to P2 pin 3 - Twisted Pair 11
- P1 pin 2 to P2 pin 2 - Twisted Pair 12
- P1 pin 1 to P2 pin 1 Connected (Individual Wire)
- P1 pin 14 to P2 pin 14 - Twisted Pair 12
- P1 pin 15 to P2 pin 15 - Twisted Pair 11
- P1 pin 16 to P2 pin 16 - Twisted Pair 10
- P1 pin 17 to P2 pin 17 - Twisted Pair 9
- P1 pin 18 to P2 pin 18 - Twisted Pair 8
- P1 pin 19 to P2 pin 19 - Twisted Pair 7
- P1 pin 20 to P2 pin 20 - Twisted Pair 6
- P1 pin 21 to P2 pin 21 - Twisted Pair 5
- P1 pin 22 to P2 pin 22 - Twisted Pair 4
- P1 pin 23 to P2 pin 23 - Twisted Pair 3
- P1 pin 24 to P2 pin 24 - Twisted Pair 2
- P1 pin 25 to P2 pin 25 - Twisted Pair 1



U1  
DB25\_Female  
Accu-Glass Part Number: 100460  
Accu-Glass Contact PN: 100180  
Accu-Glass Strain Relief PN: 100465

U2  
DB25\_Female  
Accu-Glass Part Number: 100460  
Accu-Glass Strain Relief PN: 100465  
Accu-Glass Contact PN: 100180

Last Edited: 7/19/2017

Title  
**D25 Female to D25 Female 260 Inch Cable**

LIGO Laboratory  
California Institute of Technology  
Massachusetts Institute of Technology



Size: A	DCC Number: D1700316	Revision: V1	Engineer: R. Abbott	Date: 7/20/2017
				Time: 1:37:24 PM