

Total Roundtrip Resistance = $6.604\text{m} * 0.0586 \text{ ohms/m} * 2 = 0.77\text{ohms}$

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

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

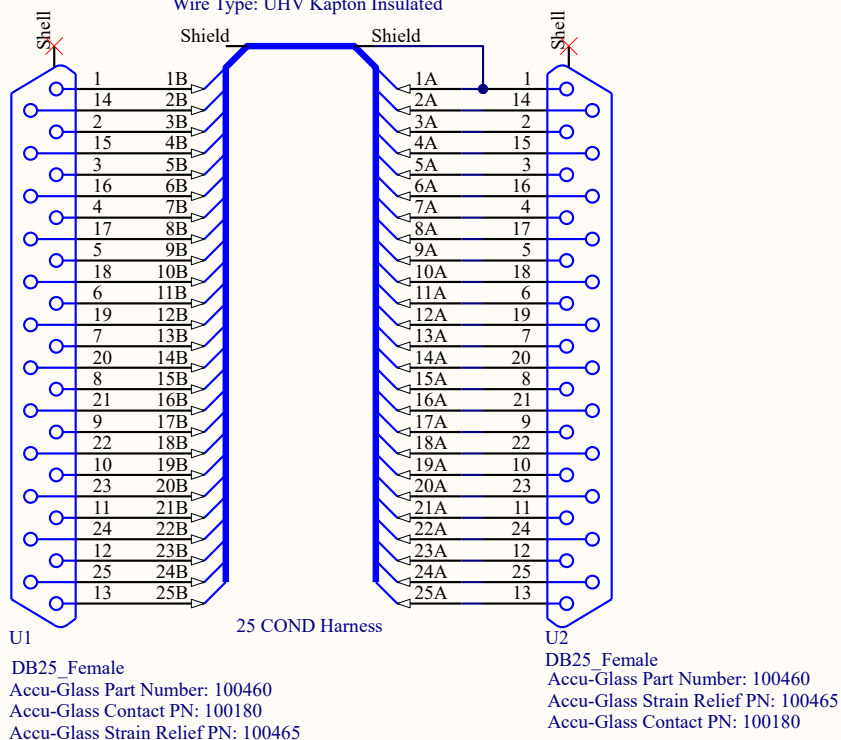
Accu-Glass Wire Type: 112678

Cable Length: 260 +/- 3 Inches

Wire Gauge: 22 AWG,

Wire Resistance: 0.0586 ohms/meter

Wire Type: UHV Kapton Insulated



Last Edited: 9/23/2020

Title

D25 Female to D25 Female 260 Inch Cable 22AWG

LIGO Laboratory
 California Institute of Technology
 Massachusetts Institute of Technology

LIGO

Size: A

DCC Number: D1700316

Revision: v2

Engineer: R. Abbott

Date: 9/23/2020

Time: 11:52:41 AM

File: C:\Dean\A+A+Cables\A+In Vacuum Cables\SQZ\D1700316-v1 SQZ-D25F-to-D25F In Vac Cable 260inches\D1700316-v2 SQZ-D25F-to-D25F In Vac Cable 260inches.SchD