



Phosphor Bronze cable assembly

5 cables potted through a vacuum flange provided by NIST

total cable length = 1620 mm consisting of: Feedthrough plus external length = 580 mm - Vacuum length = 1040 mm

Vacuum end/1 K stage connectors..... 100-pin Cadmium plated male/pin MDMs
 external connectors..... 100-pin Nickel plated female/socket MDMs

Wiring

Twisted Pairs of Polyimide insulated Phosphor-Bronze connected to 45 pairs of MDM pins.

Pairs defined by MDM pin numbers (signal-return):

28-77, 3-53, 29-78, 4-54, 30-79, 5-55, 31-80, 6-56, 32-81, 7-57, 33-82, 8-58, 34-83, 9-59, 35-84, 10-60, 36-85, 11-61, 37-86, 12-62, 38-87,
 13-63, 39-88, 14-64, 40-89, 15-65, 41-90, 16-66, 42-91, 17-67, 43-92, 18-68, 44-93, 19-69, 45-94, 20-70, 46-95, 21-71, 47-96, 22-72, 48-97,
 23-73, 49-98, 24-74, 50-99

reaching into the cold



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