

Hall D Signal Cables		5/23/2011				
JLab						
F.J. Barbosa						
Detector Sub-System	Cable Length Estimated * [ft (m)]	Cable Length Actual [ft (m)]	Type [UL NEC CL2 or higher]	Connector Type @ Source	Connector Type @ Destination	Quantity
TAG						
<i>Microscope</i>	38'	40'	RG-58A/U	"Lemo"	"Lemo"	120
<i>Hodoscope</i>	55'	55'	Belden 9907	BNC	"Lemo"	190
PS						
<i>Pair Spectrometer</i>	55'	55'	RG-58A/U Belden 9907	BNC	"Lemo"	50
ST						
<i>Start Counter</i>	39'4"	50'	RG-58A/U Belden 9907	BNC	"Lemo"	40
CDC						
<i>Central Drift Chamber</i>	42'3"	18 m (59.06')	Amphenol 50 conductor 169-3099- 786 CL2	ERNI	3M MDR	149
FDC						
<i>Forward Drift Chamber</i>	56'1" (17.09 m)	18 m (59.06')	Amphenol 50 conductor 169-3099- 786 CL2	ERNI	3M MDR	528
BCAL						
<i>Barrel Calorimeter</i>	42' 8"	50'	RG-58A/U Belden 9907	"Lemo"	"Lemo"	1920
TOF						
<i>Time-of-Flight</i>	47' 7"	50'	RG-58A/U Belden 9907	BNC	"Lemo"	168

FCAL						
<i>Forward Calorimeter</i>	42'	50'	RG-58A/U Belden 9907	"Lemo"	"Lemo"	1100
COLLI						
<i>Collimator</i>	84'					

* Worst Case (includes cable routing on destination rack)

Hall D Power Cables (High Voltage)						
Detector Sub-System	Cable Length Estimated * [ft (m)]	Cable Length Actual [ft (m)]	Type & Rating	Connector Type @ Source	Connector Type @ Destination	Quantity
TAG						
<i>Hodoscope</i>	55'	55'	RG-59/U RED Belden 8281F 2900V	SHV	SHV	190
PS						
<i>Pair Spectrometer</i>	55'	55'	RG-59/U RED Belden 8281F 2900V	SHV	SHV	50
ST						
<i>Start Counter</i>	39'4"	55'	RG-59/U RED Belden 8281F 2900V	SHV	SHV	40
CDC						
<i>Central Drift Chamber</i>	42'3"	18 m (59.06')	GWP 30 conductor 030-23286 UL CL2 5kV	Radiall	Radiall	7
FDC						

<i>Forward Drift Chamber</i>	56'1" (17.09 m)	18 m (59.06')	GWP 30 conductor 030-23286 UL CL2 5kV	Radiall	Radiall	8
BCAL						
<i>Barrel Calorimeter</i>	NA	NA	NA	NA	NA	NA
TOF						
<i>Time-of-Flight</i>	47' 7"	55'	RG-59/U RED Belden 8281F 2900V	SHV	SHV	168
FCAL						
<i>Forward Calorimeter</i>	NA	NA	NA	NA	NA	NA
COLLI						
<i>Collimator</i>	84'					

* Worst Case (includes cable routing on destination rack)