



Cable Characteristics for the Hall D FDC and CDC detectors

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1. Signal Cables

Manufacturer: Amphenol

Type: 50 conductor, 30 AWG, twisted pair, round jacketed, foil and braid shielding

Diameter: 7.5 – 8.5 mm [0.295 – 0.335 inch]

Note: Cable profile is oblong.

Weight: Stock: 96.6 g/m [Outside Solenoid]

Stripped: 52.8 g/m [Inside Solenoid]

Note: These numbers were obtained from Joe Beaufait's measurements.

Quantity: 528 FDC [132 per package]

140 CDC

2. HV Cables*

Manufacturer: General Wire Products

Type: 40 conductor, 26 AWG, Tefzel, round jacketed, foil and braid shielding

Diameter: 8.88 mm [0.350 inch]

Weight: 164.4 g/m

Quantity: 8 FDC [2 per package]

3 CDC

2. LV Cables*

Manufacturer: ERNI

Type: 8 conductor, 26 AWG, TPE-ET, flat, ribbon

Dimensions: 9.89 mm x 1 mm [0.389 inch x 0.039 inch]

Weight: 19.85 g/m

Quantity: 264 FDC [66 per package]

70 CDC

* These are estimates based on cables of similar construction and type.