



## 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 [132 per package]

70 CDC

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