

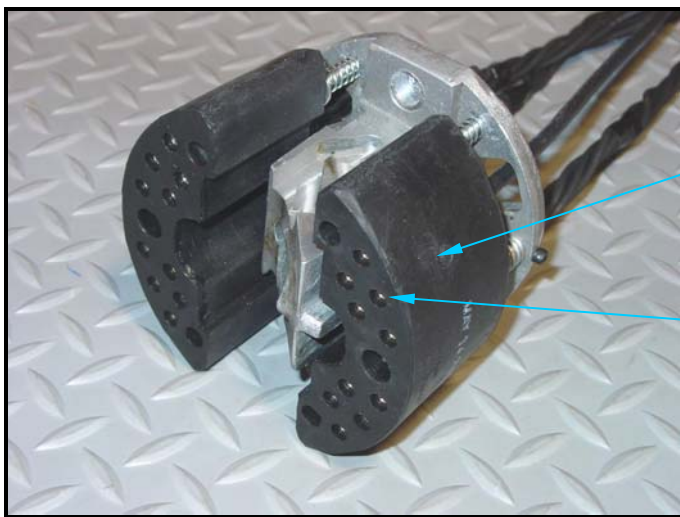
20 Wire Male Connector

1/8" diameter contacts with integrally molded, rain-tight sealing shoulders

(2) ground contacts (longer than other contacts) make first and break last

Spring-assisted disconnect

Molded Hypalon, thermosetting synthetic polymer



20 Wire Female Connector

Molded Hypalon, thermosetting synthetic polymer

1/8" I.D. female contacts recessed 1/8" into face of connector. Cored hole of recess is 1/4" diameter and creates a rain-tight seal when mated with the male connector.

The molded female and male socket connector bodies shall be made of thermosetting synthetic polymer known as Hypalon.

The current carrying male contacts shall be 1/8" in diameter. There shall be two male contacts that are longer than all others which will allow them to make first and break last, providing optimum grounding performance. Twenty 1/8" diameter contacts rated for 1 volt peak-to-peak shall be provided. The camera mounted thereto, shall be capable of performing all of its necessary functions using this configuration of contacts.

The current carrying female contacts are rated for 1 volt peak-to-peak and shall be 1/8" I.D. All of these contacts shall be recessed 1/8" from the face of the connector. Cored holes molded into the rubber face of the connector body, measuring 1/4" diameter and 1/8" deep, are centered on each contact to create rain-tight seals when mated with the male connector.

The wire leads from both the male and female 1/8" diameter contacts shall be permanently and integrally molded in the polymer Hypalon body. These wires shall be constructed of #18/1 AWG Hypalon-jacketed wire.

The 1/8" contacts shall be self-wiping with a shoulder at the base of each male contact so that it will recess into the female block, thereby giving a rain-tight seal when mated. These electrical contacts meet Mil Spec Q-9858 and Mil Spec I-45208.