

D E S C R I P T I O N

PRODUCT COVERED:

Quick-Connect Connectors, Type Ultra-Fast plus FASTON Series .110, .187 and .250. (Cat. Nos. are identified in illustrations).

GENERAL CHARACTER AND USE:

The products covered are quick-connect connectors intended for assembly on No. 22 to No. 14 AWG solid and stranded copper wire using this manufacturer's power tools. They are intended for internal wiring of electrical equipment. The quick-connect terminals are for use on copper alloy or plated steel, male production tabs and stranded copper wire sizes (see tabulation below).

The insulated connectors are rated 125°C, 600 V max building wire (1000 V max in signs of fixtures).

<u>Wire Size (AWG)</u>	<u>Solid or Stranded Wire (Number of Strands)</u>
14	41
16	26
* 17	53
18	16
20	10
22	7

CONSTRUCTION DETAILS:

The details of construction are illustrated in the following photograph and described in the accompanying index.

Marking - Each connector is marked with the manufacturer's name or trademark. The smallest unit cartons or reels are marked with:

1. The manufacturer's name or trademark.
2. Type and Cat. No. " " .
3. AWG stranded wire sizes.
4. A statement referring to the installation instructions.
5. A statement indicating the connectors and tabs for use for internal terminations.

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6. The max voltage and temperature rating.

7. A statement indicating that the connectors are "for use with Cu wire" or equivalent.

Table 1

Catalog Number	Wire Rating	Ill. Number
2-520403-2, 2-520411-2,	22-18AWG sol/str (2) 22AWG str (2) 20AWG str	1A
3-520404-2, 3-520412-2	16-14AWG sol/str (2) 18AWG str	1A
2-520405-2	22-18AWG str (2) 22AWG str (2) 20AWG str	1B
3-520406-2	16-14AWG str (2) 18AWG str	1C
2-520407-2	22-18AWG sol/str (2) 22AWG str (2) 20AWG str	1D
3-520408-2	16-14AWG sol/str (2) 18AWG str	1E
2-520932-2	22-18AWG sol/str (2) 22AWG str (2) 20AWG str	2
2-520401-2	22-18AWG str (2) 22AWG str (2) 20AWG str	3
3-520402-2	16-14AWG str (2) 18AWG str	4
2-520409-2	22-18AWG str (2) 22AWG str (2) 20AWG str	5
3-520410-2	16-14AWG str (2) 18AWG str	6
2-520979-2	22-18AWG sol/str (2) 22AWG str (2) 20AWG str	7
2-521055-2	22-18 sol/str	8
3-521057-2	16-14AWG sol/str (2) 18AWG str	9
2-521129-2	22-18 sol/str	10
2-521055-1		11
2-521361-2		12
2-521360-2		13

TYPE "ULTRA-FAST PLUS FASTON", RECEPTACLE (SERIES .110, .187, .250)
FIG. 1 (M84-8790)

1. Housing - Front end, molded nylon, polyamide, Type 6/6 Zytel 42, manufactured by E.I. duPont de Nemours & Co., Inc., or Celanese Plastics & Specialties Co. Celanese 1200 or Vydne 66B, 64C manufactured by Monsanto. Wall thickness, 1/32 in. See Ills. for overall dimensions. Wire support Trogamid T by Dynamit Nobel AG. Plastics Div.

Alternate - Ultramid A5 manufactured by BASF.

2. Connector (Under the Housing) - Copper alloy (C260 and C274) or phosphor bronze, tin plated stock thickness 0.016 in. See Ills. for overall dimensions.