DESCRIPTION

PRODUCT COVERED:

USL - General use wire connectors, terminals, butt and parallel connectors. Catalog number may contain prefix and/or suffix numbers to identify variations in plating or tongue configurations. Prefixes and/or suffixes may also be used to specify a package quantity.

Type PLASTI-GRIP™ terminals, butt and parallel connectors (22-10 AWG).

Type "SOLISTRAND" terminals, butt and parallel connectors (AWG 22-600 MCM).

Type "Standard B" terminals and butt splices (22-10 AWG).

Type "Budget" terminals, butt and parallel connectors (22-10 AWG).

Type "DG" (DIAMOND GRIP) terminal and butt connectors (22-10 AWG).

Type PIDG™ (preinsulated DIAMOND-GRIP) terminals and butt connectors (22-10 AWG).

Type "AMPOWER" terminals, parallel and butt splices (6-1000 MCM).

The above type designations have Cat. Nos. in the following series numbers.

Series 30,000 to 36,999
Series 43,000 to 44,999
Series 50,000 to 51,299
Series 51,800 to 55,999
Series 320,000 to 332,599
Cat. Nos. 696072 to 696073

GENERAL CHARACTER AND USE:

General - The pressure wire connectors may be provided with various sizes and shapes of the tang (such as ring, spade, hook, etc.).

*USL - The wire connectors covered in this report are in compliance with UL 486A-486B, the "Standard for Wire Connectors".

PLASTI-GRIP - These devices are insulated pressure wire connectors designed for installation on wires by means of hand tools or press dies designated PIDG (with CERTI-LOK feature) or TETRA-CRIMP for terminals, and PIDG for splices. These connectors are rated 600 V max for building wire and 1000 V for fixtures and signs in locations where the temperature does not exceed 105°C. They are intended for use on a wire range of No. 22 to 10 AWG solid or stranded when installed with PIDG tooling Die set 2063030 with tools: SDE Bench Terminator 1490076-2, Battery Tool 1725837-1,-2, 626 Adapter 679304-1, and TYCO SDE PEW 12 crimp tool, and 22-10 AWG stranded when installed with TETRA-CRIMP tooling.

Butt Type Connectors (Cat. No. 54355-1) in Size No. 18-14 (white with red stripe) are insulated and rated 105°C, 600 V max. (1000 V in a fixture or sign).

SOLISTRAND - These devices are uninsulated pressure wire connectors intended to be installed with the manufacturer's Type W hand, CERTI-LOK hand, or power driven tools.

These connectors are Listed for a wire range of Nos. 22-600 MCM stranded wires and Nos. 22-14 AWG solid copper wires.

Additionally, Cat. No. 33457 covered in Ill. 195 is rated for No. 10 and 12 AWG solid copper wires assembled with the crimp tooling specified for “SOLISTRAND” terminal connectors in this report

Additionally, Cat. No. 1958536-1 shown in Ill. 214 is rated for No. 4 AWG fine strand (UL Type 1283, 133 strands) copper wire and No. 4 AWG tinned copper (UL AWM 10070/CSA AWM - 7x7x89/40) copper wire with the following crimp tooling, as shown in Ill. 215:

- **Nest (Lower Die) – TE PN 3-1490413-5**
- **Indenter (Upper Die) – TE PN 1490414-2**
- **Hydraulic Hand Tool – TE PN 1490749-1**
- **Head Number – TE PN 1490746-1**

SOLISTRAND devices are also used with crimp die set 58545-1.

Standard "B" - These devices are uninsulated pressure wire connectors intended to be installed with the manufacturer's Type "B" hand or **power-driven** tools.

The connectors are Listed for a wire range of Nos. 22-10 AWG stranded copper wire only.

Budget - These devices are uninsulated pressure wire connectors intended to be installed with the manufacturer's Type "F" hand or **power-driven** tools.

DG (DIAMOND GRIP) - These devices are uninsulated pressure wire connectors intended to be installed with the manufacturer's Type DG hand or **power-driven** tooling on 22-10 AWG stranded wire only.

These connectors are Listed for a wire range of Nos. 22-10 AWG stranded copper wires only.

PIDG (Preinsulated DIAMOND GRIP) - These devices are nylon insulated pressure wire connectors Listed for use with stranded copper wire in the range of No. 22-10 AWG when installed with the manufacturer's Type PIDG or TETRA-CRIMP hand or power tools, Die set 2063030 with tools: SDE Bench Terminator 1490076-2, Battery Tool 1725837-1,-2, 626 Adapter 679304-1, and TYCO SDE PEW 12 crimp tool.

Additionally, the following Nylon PIDG butt splice insulated connectors are rated 105°C, 600 V max. (1000 V in a sign or fixture). See Ill. 1-86, 179 for details.

Cat. No.	Wire Range AWG-Cu Str.
320559	No. 22-16
320562	No. 16-14
320570	No. 12-10
55983-1	No. 16-14

AMPOWER - These devices are uninsulated pressure wire connectors intended for factory assembly with this manufacturer's power tooling, Type "AMPOWER".

These connectors are Listed for a wire range of Nos. 6 AWG to 1000 MCM copper wire.

The following “AMPOWER” wire connector Part Nos. have a supplementary rating for fine strand DLO cable sizes as specified below:

AMPOWER Cat. Nos.	DLO Cable Size	No. of Strands/ Strand Diameter	AMPOWER Tool Crimp Die
325201, 325202, 325203, 325250	2 AWG Cu.	133/24	46765-3
325301 or 325302 or 325303 or 325305	1/0 AWG Cu.	259 to 266 /24	46766-2
325402 or 325403 or 325405	2/0 AWG Cu.	323/24	46767-2
325602 or 325603 or 325605	4/0 AWG Cu.	532/24	46750-2
325703 or 325705	250 kcmil Cu.	646/24	46751-2
325903 or 325905	350 kcmil Cu.	925/24	46753-2
326005 or 326007	400 kcmil Cu.	1110/24	46754-2
326105 or 326106	500 kcmil Cu.	1332/24	46755-2

The following “SOLISTRAND” wire connector Part Nos. have a supplementary rating for fine strand 1KV cable sizes as specified below. Crimp tooling is Tyco CERTI-LOK in Ill. 1

Solistrand Cat. Nos.	**1KV Cable Size**	**No. of Strands/ Strand Diameter-In.**
31808	**8 AWG Cu.**	**168/0.0100**
321598	**6 AWG Cu.**	**61/0.0201**
31811	**4 AWG Cu.**	**133/0.0177**
320383, 321600, 323291	**2 AWG Cu.**	**259/0.0160**
321866	**1 AWG Cu.**	**224/0.0199**
321866	**1/0 AWG Cu.**	**266/0.0199**
321870	**2/0 AWG Cu.**	**323/0.0201**
321271	**4/0 AWG Cu.**	**532/0.0199**
322252, 322254	**262 kcmil Cu.**	**646/0.0199**
322257, 322259	**373 kcmil Cu.**	**925/0.0199**
322262, 322264	**444 kcmil Cu.**	**1110/0.0199**
322267	**535 kcmil Cu.**	**1332/0.0199`**

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Solistrand Cat. Nos.	7.5 KV Cable Size	No. of Strands/ Strand Gage, Diameter–In.
31808	8 AWG Cu.	84/27 (0.0142)
321598	6 AWG Cu.	84/25 (0.0179)
31811	4 AWG Cu.	105/24 (0.0201)
320383, 321600, 323291	2 AWG Cu.	163/24 (0.0201)
321866	1/0 AWG Cu.	262/24 (0.0201)
321870	2/0 AWG Cu.	504/26 (0.0159)
321271	4/0 AWG Cu.	805/26 (0.0159)

Solistrand Cat. Nos.	15 KV Cable Size	No. of Strands/ Strand Diameter-In.
320383, 321600, 323291	2 AWG Cu.	259/0.0159
321866	1/0 AWG Cu.	414/0.0159
321870	2/0 AWG Cu.	522/0.0159
321271	4/0 AWG Cu.	829/0.0159