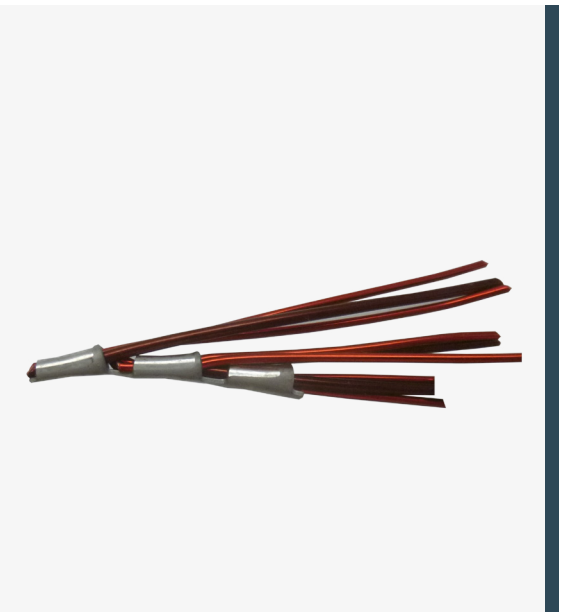


AMPLIVAR SPLICES PERMITTING BUSSING OF MULTIPLE SPLICES

NOW SUPPORT ALMOST INFINITE SPLICING COMPRESSION CRIMP CONNECTION TECHNOLOGY

TE Connectivity (TE) now offers expanded applicability for three of its 9-serrration, pigtail type AMPLIVAR splices. New versions of AMPLIVAR product terminator (APT) machines support the bussing or ganging of multiple splices in almost infinite splicing combinations. Part numbers 62304-2, 62306-2 and 62308-2 can each support three magnet wires in a single crimp. By controlling the APT machine's cutoff shear, the splices can be bussed to support the splicing together of many more wires. This is accomplished by serializing the connections in connected gangs. Open barrel, tinplated brass AMPLIVAR splices require no prestripping of copper or aluminum magnet wires. The splices have machined, sharp edged serrations within the crimp barrels. These serrations pierce the insulating layer of the magnet wire in a manner that provides a large contact area.

ELECTRICAL

- Voltage rating: Per terminated winding
- Current rating: Per connected wire size

MECHANICAL

- Serrations: 9
- Configuration: Pigtail
- Temperature range: -65°C to +150°C
- Wire range: see table on next page

MATERIALS

- Tin plated brass

SPECIFICATIONS & STANDARDS

- Product specification: 108-32030
- Application specification: 114-2003

KEY FEATURES

- Proven, existing AMPLIVAR splices can be used in a multiple bussed configuration for nearly infinite splicing
- Machined serrations in splice crimp barrel pierce insulating film on magnet wires and create quality electical connections that are mechanically strong
- No pretripping or soldering of magnet wire is required
- Bussed terminations can be created using new APT-5 machine or using existing APT-5 machine with retrofit kit
- Accommodates both copper and aluminum magnet wire
- APT-5 machines can be set for multiple crimp parameters in sequence
- Compression crimp helps eliminate cold solder joints, weld burns and potential damage from thermal processes

APPLICATIONS FOR BUSSED SPLICES

- Inverter compressors
- Multispeed motors

AMPLIVAR SPLICES PERMITTING BUSSING OF MULTIPLE SPLICES

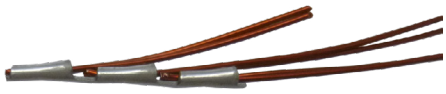
PART NUMBER DETAIL TABLE

AMPLIVAR Splice Part Number	Wire Range AWG [mm²]	Wire Range Solid Dia. in [mm]	Multiple Bussed Splice Configuration Wire Range CMA	Single Splice Configuration Wire Range CMA	Stock Thickness in [mm]	Crimp Width in [mm]	Infinite Splicing APT-5A Terminator	Infinite Splicing APT-5E Terminator	Infinite Splicing Retrofit Kit for Existing APT5
62304-2	22-15.5 [0.38-1.54]	.028-.055 [0.70-1.40]	600-3000	600-3000	.020 [0.51]	.110 [2.79]	1-2326135-0	1-2326145-0	1-2326143-0
62306-2	18.5-13.5 [0.80-2.54]	.039-.071 [1.00-1.80]	1500-4100	1500-5000	.020 [0.51]	.110 [2.79]	1-2326135-2	1-2326145-2	1-2326143-2
62308-2	15.5-12 [1.54-3.46]	.055-.083 [1.40-2.10]	3000-5000	3000-7000	.020 [0.51]	.140 [3.56]	1-2326135-5	1-2326145-5	1-2326143-5

Note that the CMA capacity for a given part number may vary depending upon whether that part is used as a single splice or in a multiple bussed (infinite) splice configuration.

AMPLIVAR PRODUCT TERMINATOR (APT) DETAILS

For more information about the above-listed APT machines, visit www.te.com/InfiniteSplice



TE TECHNICAL SUPPORT CENTER

USA: +1 (800) 522-6752

Canada: +1 (905) 475-6222

Mexico: +52 (0) 55-1106-0800

Latin/S. America +54 (0) 11-4733-2200

Germany: +49 (0) 6251-133-1999

UK: +44 (0) 800-267666

France: +33 (0) 1-3420-8686

Netherlands: +31 (0) 73-6246-999

China: +86 (0) 400-820-6015 te.com

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Published 07-25