

AUTO-FLEX[®] CFP Reduced Diameter Power

Continuous flex trans gun power cable / 105° C / 6, 4 & 2 AWG / PVC jacket / 600V



Applications

AUTO-FLEX[®] CFP Reduced Diameter Power Cable is designed and manufactured for use in automated welding applications where continuous flexing, torsional stresses and high heat and flame resistance are inherent to the operating environment.

Specifications and Ratings

- Rated for use in DC welding
- Continuous operation at 600 volts with 90°C conductor temperatures
- UL listed Type W, 2000 volt
- UL listed Type TC-ER 600 volt (extended run) for 4 and 2 AWG

Design Parameters

CONDUCTORS: Extra-flexible rope stranding (Class K) soft-drawn coated copper, per ASTM B-3, ASTM B-172, and UL-62 for high flexibility, increased flex-life and reduced copper fatigue/ conductor breakage.

SEPARATOR: Paper separator for easy stripping.

INSULATION: Color-coded oil-resistant 105°C PVC insulation per UL-758 for easy conductor identification, suitable for use in oil and chemical environments.

JACKET: Yellow oil-and flame-resistant PVC jacket.



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Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	TC Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
029906	3	6 AWG	266/30	.045 (1.1)	.094 (2.4)	.855 (21.7)	97	7 (178)	522 (773)
029657	3	4 AWG	420/30	.045 (1.1)	.094 (2.4)	.950 (24.1)	127	8 (203)	705 (1043)
030210	3	1/0 AWG	1064/30	.080 (2.0)	.125 (3.2)	1.500 (38.1)	228	12 (305)	1740 (2575)

¹Ampacity based on single cable in free air 30° C ambient, 90° C conductor temperature (tray cable values).

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.