



# Draka

## AUTO-FLEX® CFP Reduced Diameter Power

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



### Applications

REDUCED DIAMETER AUTO-FLEX® CFP 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. The reduced diameter improves flexibility, decreases the bend radius and reduces cable cost.

### Features

#### 1. 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.

#### 2. SEPARATOR

Paper separator for easy stripping

#### 3. INSULATION

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

#### 4. JACKET

Yellow oil-and flame-resistant PVC jacket.

### Ratings

Rated for use in DC welding

Continuous operation at 600 volts with 105°C conductor temperatures.

UL MTW rated for 600V

CSA AWM rated for 600V



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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 <sup>1</sup>	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)
029425	3	2 AWG	665/30	.060 (1.5)	.094 (2.4)	1.190 (30.2)	169	10 (254)	1100 (1628)
030210	3	1/0 AWG	1064/30	.080 (2.0)	.125 (3.2)	1.500 (38.1)	228	12 (305)	1740 (2575)

<sup>1</sup>Ampacity based on single cable in free air 30° C ambient, 105° C conductor temperature.

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

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