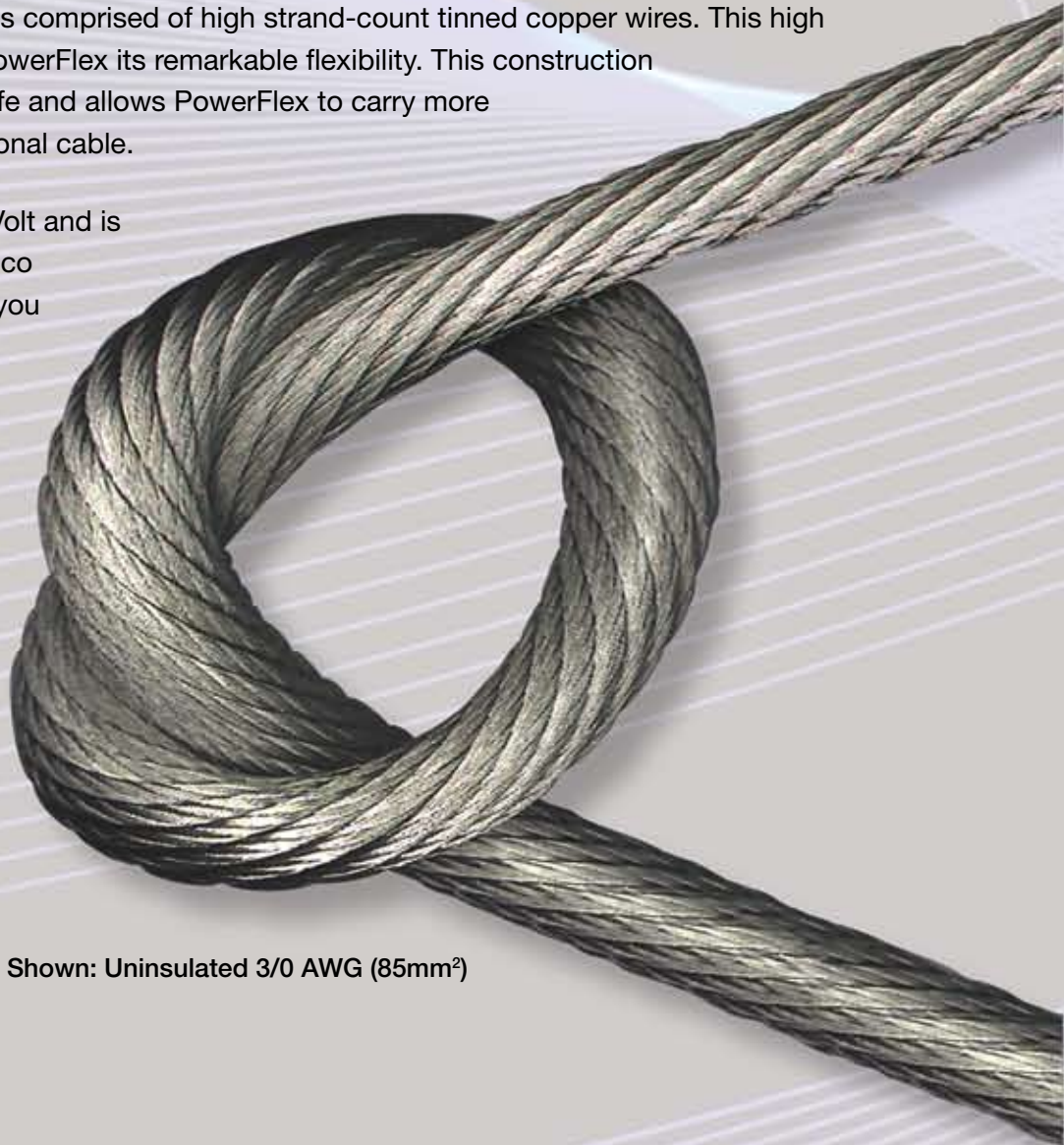


## Insulated Extra Flexible Round Grounding/Power Cables

Tight bends, compact spaces, repetitive motion and high power requirements are among the key cabling obstacles that can short circuit new product designs – driving up costs and lengthening development timetables. Now there is a unique cable system that can help you overcome these and other design challenges – PowerFlex™ from Cableco.

Unlike standard cable, PowerFlex is comprised of high strand-count tinned copper wires. This high strand-count construction gives PowerFlex its remarkable flexibility. This construction also significantly increases cable life and allows PowerFlex to carry more current than same gauge conventional cable.

PowerFlex is rated to 105°C, 300 Volt and is approved to UL 10236. Your Cableco Sales Representative can provide you with complete information on how the PowerFlex cable system can simplify system power distribution for your specific application.



Cable Shown: Uninsulated 3/0 AWG (85mm<sup>2</sup>)

[www.cablecotech.com](http://www.cablecotech.com)

✓ RoHS Compliant



PowerFlex™ can be easily terminated with Cableco’s high quality, low voltage-drop FusionLug™. The FusionLug is fabricated from the strands of the wire itself. Our unique process “fuses” wire strands with copper, creating a high quality, low voltage-drop termination. It can be cut, bent, drilled or chamfered to meet specific application requirements.

PART NUMBER	CABLE SIZE (AWG)	CABLE SIZE (MM <sup>2</sup> )	NOMINAL CURRENT CARRYING CAPACITY (AMPS)	STRAND CONSTRUCTION	NUMBER OF STRANDS	CIRCULAR MIL AREA	NOMINAL WALL THICKNESS INCHES (MM)	NOMINAL O.D. INCHES (MM)	NOMINAL WEIGHT PER FOOT LBS (KG/M)	APPROXIMATE BEND RADIUS INCHES (MM)	RESISTANCE OHMS PER 1000 FT. (MILLI OHMS/M)
EF18-12-C	18	0.82	12A	7 x 9/36	63	1,575	0.015" (0.38)	0.084" (2.1)	0.005 (0.007)	0.25" (6.4)	6.570 (21.5)
EF16-16-C	16	1.30	16A	7 x 15/36	105	2,625	0.015" (0.38)	0.099" (2.5)	0.008 (0.012)	0.30" (7.6)	4.140 (13.6)
EF14-20-C	14	2.10	20A	7 x 24/36	168	4,200	0.020" (0.51)	0.129" (3.3)	0.013 (0.019)	0.39" (9.9)	2.600 (8.53)
EF12-25-C	12	3.30	25A	7 x 37/36	259	6,475	0.020" (0.51)	0.149" (3.8)	0.021 (0.031)	0.45" (11.4)	1.640 (5.38)
EF10-40-C	10	5.30	40A	7 x 59/36	413	10,325	0.020" (0.51)	0.177" (4.5)	0.032 (0.048)	0.53" (13.5)	1.040 (3.41)
EF8-55-C	8	8.40	55A	7 x 95/36	665	16,625	0.045" (1.1)	0.251" (6.4)	0.053 (0.079)	0.75" (19.1)	0.640 (2.10)
EF6-85-C	6	13.30	85A	7 x 150/36	1,050	26,250	0.060" (1.5)	0.323" (8.2)	0.087 (0.130)	0.97" (24.6)	0.400 (1.31)
EF4-105-C	4	21.20	105A	7 x 7 x 34/36	1,666	41,650	0.060" (1.5)	0.409" (10.4)	0.133 (0.198)	1.23" (31.2)	0.260 (0.85)
EF2-140-C	2	33.60	140A	7 x 7 x 54/36	2,646	66,150	0.060" (1.5)	0.481" (12.2)	0.211 (0.314)	1.44" (36.6)	0.160 (0.52)
EF1/0-205-C	1/0	53.50	205A	7 x 7 x 86/36	4,214	105,350	0.070" (1.8)	0.615" (15.6)	0.338 (0.504)	1.85" (47.0)	0.100 (0.33)
EF2/0-225-C	2/0	67.40	225A	7 x 7 x 108/36	5,292	132,300	0.080" (2.0)	0.662" (16.8)	0.428 (0.638)	1.99" (50.5)	0.090 (0.30)
EF3/0-260-C	3/0	85.03	260A	7 x 7 x 137/36	6,713	167,800	0.080" (2.0)	0.764" (19.4)	0.546 (0.814)	2.29" (58.2)	0.075 (0.25)
EF4/0-300-C	4/0	107.00	300A	19 x 7 x 64/36	8,512	212,800	0.080" (2.0)	0.814" (20.7)	0.752 (1.12)	2.44" (62.0)	0.059 (0.19)

C Denotes color: 0 - Black 1 - Brown 2 - Red 3 - Orange 4 - Yellow 5 - Green 6 - Blue 7 - Violet 8 - Gray 9 - White

\*See separate data sheet for product information.

✓RoHS Compliant

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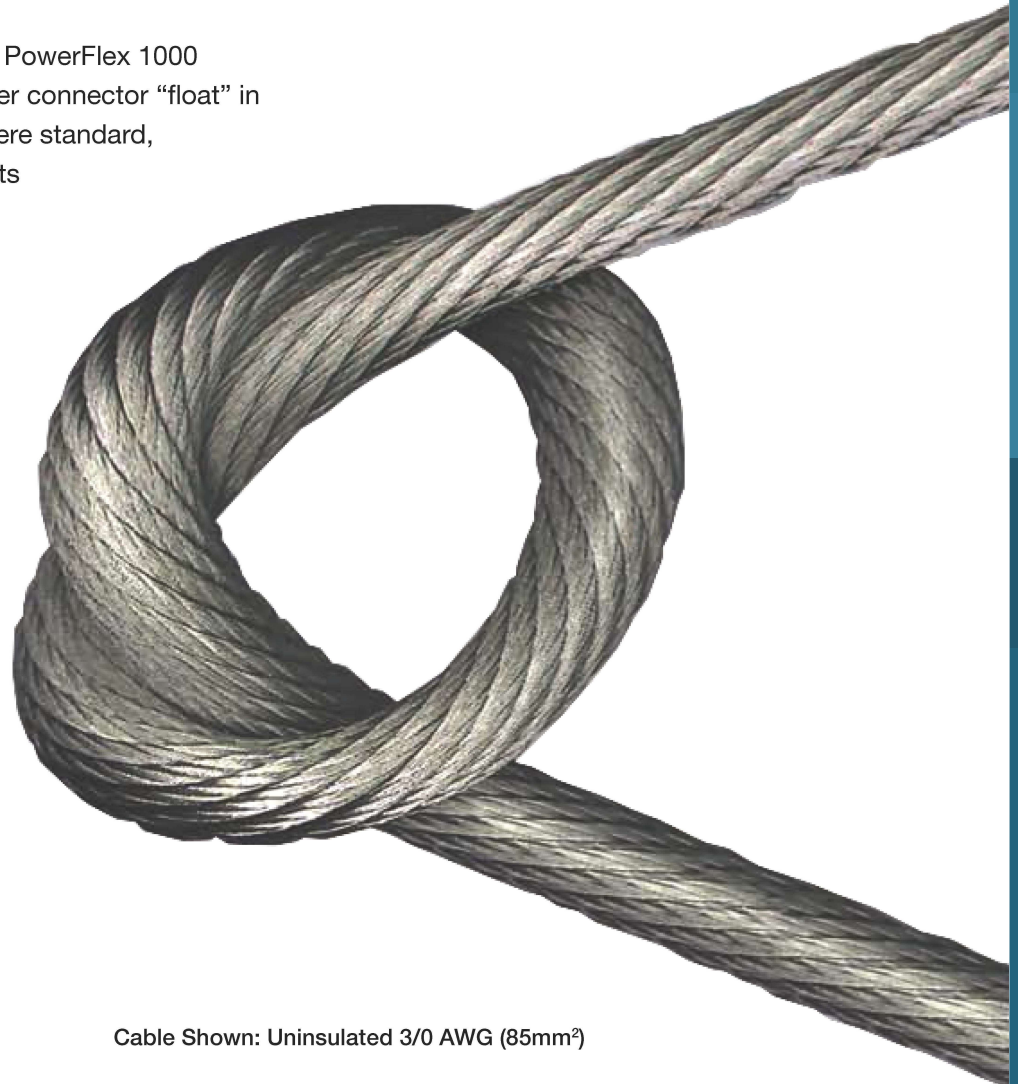
## PowerFlex 1000

### *Insulated Extra Flexible Round Grounding/Power Cables*

PowerFlex 1000 is a 1000 Volt version of the popular PowerFlex™ power cable. Jacket material is PVC and rated 105°C. PowerFlex 1000 is recognized under UL 10070 (600 Volts) and 10269 (1000 Volts).

Unlike standard cable, PowerFlex 1000 is comprised of high strand-count tinned copper wires. This high strand-count construction gives PowerFlex 1000 its remarkable flexibility. This construction also significantly increases cable life and allows PowerFlex 1000 to carry more current than same gauge conventional cable.

The exceptional flexibility of PowerFlex 1000 can significantly help a power connector “float” in rack mount applications where standard, more rigid hook-up wire limits connector movement.



Cable Shown: Uninsulated 3/0 AWG (85mm<sup>2</sup>)

✓ *RoHS Compliant*

# PowerFlex 1000



PowerFlex 1000™ can be easily terminated with Cableco’s high quality, low voltage-drop FusionLug™. The FusionLug is fabricated from the strands of the wire itself. Our unique process “fuses” wire strands with copper, creating a high quality, low voltage-drop termination. It can be cut, bent, drilled or chamfered to meet specific application requirements.

PART NUMBER	CABLE SIZE (AWG)	CABLE SIZE (MM <sup>2</sup> )	NOMINAL CURRENT CARRYING CAPACITY (AMPS)	STRAND CONSTRUCTION	NUMBER OF STRANDS	CIRCULAR MIL AREA	NOMINAL WALL THICKNESS INCHES (MM)	NOMINAL O.D. INCHES (MM)	NOMINAL WEIGHT PER FOOT LBS (KG/M)	APPROXIMATE BEND RADIUS INCHES (MM)	RESISTANCE OHMS PER 1000 FT. (MILLI OHMS/M)
HV18-12-C	18	0.82	12A	7 x 9/36	63	1,575	0.030" (0.76)	0.112" (2.8)	0.005 (0.007)	0.34" (8.6)	6.570 (21.5)
HV16-16-C	16	1.30	16A	7 x 15/36	105	2,625	0.030" (0.76)	0.126" (3.2)	0.008 (0.012)	0.38" (9.7)	4.140 (13.6)
HV14-20-C	14	2.10	20A	7 x 24/36	168	4,200	0.030" (0.76)	0.142" (3.6)	0.013 (0.019)	0.43" (10.9)	2.600 (8.53)
HV12-25-C	12	3.30	25A	7 x 37/36	259	6,475	0.030" (0.76)	0.161" (4.1)	0.021 (0.031)	0.48" (12.2)	1.640 (5.38)
HV10-40-C	10	5.30	40A	7 x 59/36	413	10,325	0.030" (0.76)	0.187" (4.7)	0.032 (0.048)	0.56" (14.2)	1.040 (3.41)
HV8-55-C	8	8.40	55A	7 x 95/36	665	16,625	0.045" (1.1)	0.251" (6.4)	0.053 (0.079)	0.75" (19.1)	0.640 (2.10)
HV6-85-C	6	13.30	85A	7 x 150/36	1,050	26,250	0.060" (1.5)	0.323" (8.2)	0.087 (0.130)	0.97" (24.6)	0.400 (1.31)
HV4-105-C	4	21.20	105A	7 x 7 x 34/36	1,666	41,650	0.060" (1.5)	0.409" (10.4)	0.133 (0.198)	1.23" (31.2)	0.260 (0.85)
HV2-140-C	2	33.60	140A	7 x 7 x 54/36	2,646	66,150	0.060" (1.5)	0.481" (12.2)	0.211 (0.314)	1.44" (36.6)	0.160 (0.52)
HV1/0-205-C	1/0	53.50	205A	7 x 7 x 86/36	4,214	105,350	0.070" (1.8)	0.615" (15.6)	0.338 (0.504)	1.85" (47.0)	0.100 (0.33)
HV2/0-225-C	2/0	67.40	225A	7 x 7 x 108/36	5,292	132,300	0.080" (2.0)	0.662" (16.8)	0.428 (0.638)	1.99" (50.5)	0.090 (0.30)
HV3/0-260-C	3/0	85.03	260A	7 x 7 x 137/36	6,713	167,800	0.080" (2.0)	0.764" (19.4)	0.546 (0.814)	2.29" (58.2)	0.075 (0.25)
HV4/0-300-C	4/0	107.00	300A	19 x 7 x 64/36	8,512	212,800	0.080" (2.0)	0.814" (20.7)	0.752 (1.12)	2.44" (62.0)	0.059 (0.19)

C Denotes color: 0 - Black 1 - Brown 2 - Red 3 - Orange 4 - Yellow 5 - Green 6 - Blue 7 - Violet 8 - Gray 9 - White

\*See separate data sheet for product information.

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