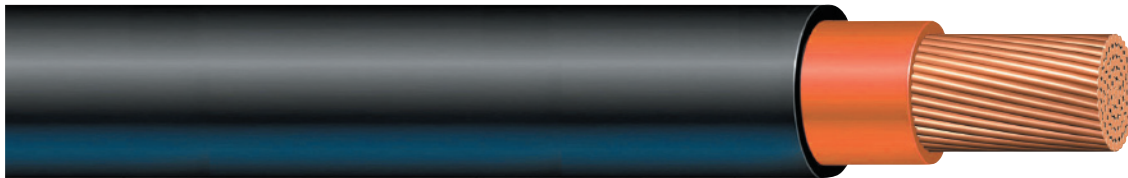


## EnergySafe™ Network Power Cable

EPR insulated conductor / 14 AWG to 1000 KCMIL / LSZH jacket / 600 to 2000 volt



### Applications

EnergySafe™ network power cables are designed for installation in congested utility network systems where reliability is essential. Draka's unique design adds protection for personnel and equipment with a low smoke zero-halogen construction that reduces gas emission in the event of a fire.

EnergySafe network power cable is NEC-compliant for continuous operations at 90°C in wet and dry locations, 130°C for emergency overload conditions and 250°C for short circuit conditions.

### Specifications and Ratings

- NEMA WC70/ICEA S-95-658 and ICEA
- Guide T-33-655
- Guide T-33-655
- Type RHH/RHW-2 per UL 44
- Type USE per UL 854 (600V only)
- UL Oil Res I
- UL ST-1 limited smoke designation (sizes 1/0 and larger)
- UL "For CT Use" (sizes 1/0 and larger)

### Design Parameters

**CONDUCTORS:** Class B, soft drawn, bare copper per ASTM B3 and ASTM B8. Both tinned copper conductors and extra-flexible conductors are available as options.

**INSULATION:** Heat and moisture resistant ethylene propylene rubber (EPR) meeting the requirements of NEMA WC70/ICEA S-95-658. The insulation is suitable for use in wet or dry locations at a conductor temperature not exceeding 90°C for normal operation.

**ASSEMBLY:** Single conductor cables can be paralleled or multiplexed with up to six conductors for more efficient installation.

**JACKET:** Heat and moisture resistant black low smoke/zero halogen (LSZH) cross-linked polyolefin meeting the requirements of ICEA Guide T-33-655. Chlorinated polyethylene (CPE) and polychloroprene (PCP) meeting the requirements of ICEA Guide T-33-655 is available as an option.

**SURFACE MARKING:** Grouped cables can be identified with painted striping or with extruded ridges. Print legends can be customized as needed.



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# EnergySafe™ Network Power Cable

EPR insulated conductor / 14 AWG to 1000 KCMIL / LSZH jacket / 600 to 2000 volt

Part Number	Voltage Rating	Conductor Size	Average Number of Strands	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Cable Outside Diameter in (mm)	Cable Weight Lbs/Mft (Kg/Km)
PWR14-600	600	14 AWG	7	0.030 (0.8)	0.015 (0.4)	0.165 (4.2)	24 (35)
PWR12-600	600	12 AWG	7	0.030 (0.8)	0.015 (0.4)	0.185 (4.7)	33 (49)
PWR10-600	600	10 AWG	7	0.030 (0.8)	0.015 (0.4)	0.210 (5.3)	47 (70)
PWR8-600	600	8 AWG	7	0.045 (1.1)	0.015 (0.4)	0.275 (6.9)	78 (116)
PWR6-600	600	6 AWG	7	0.045 (1.1)	0.030 (0.8)	0.345 (8.7)	124 (185)
PWR4-600	600	4 AWG	7	0.045 (1.1)	0.030 (0.8)	0.390 (9.9)	181 (269)
PWR2-600	600	2 AWG	7	0.045 (1.1)	0.030 (0.8)	0.450 (11.4)	269 (400)
PWR01-600	600	1/0 AWG	19	0.055 (1.4)	0.045 (1.1)	0.585 (14.8)	430 (640)
PWR02-600	600	2/0 AWG	19	0.055 (1.4)	0.045 (1.1)	0.625 (15.8)	530 (789)
PWR04-600	600	4/0 AWG	19	0.055 (1.4)	0.045 (1.1)	0.730 (18.5)	785 (1168)
PWR250-600	600	250 KCMIL	37	0.065 (1.6)	0.065 (1.6)	0.840 (21.3)	965 (1436)
PWR350-600	600	350 KCMIL	37	0.065 (1.6)	0.065 (1.6)	0.950 (24.1)	1320 (1964)
PWR500-600	600	500 KCMIL	37	0.065 (1.6)	0.065 (1.6)	1.080 (27.4)	1826 (2717)
PWR750-600	600	750 KCMIL	61	0.080 (2.0)	0.065 (1.6)	1.295 (32.9)	2696 (4012)
PWR1000-600	600	1000 KCMIL	61	0.080 (2.0)	0.065 (1.6)	1.440 (36.5)	3500 (5208)
PWR14-2KV	2000	14 AWG	7	0.045 (1.1)	0.015 (0.4)	0.200 (5.0)	30 (45)
PWR12-2KV	2000	12 AWG	7	0.045 (1.1)	0.015 (0.4)	0.220 (5.5)	40 (60)
PWR10-2KV	2000	10 AWG	7	0.045 (1.1)	0.015 (0.4)	0.240 (6.1)	55 (82)
PWR8-2KV	2000	8 AWG	7	0.055 (1.4)	0.030 (0.8)	0.325 (8.2)	95 (141)
PWR6-2KV	2000	6 AWG	7	0.055 (1.4)	0.030 (0.8)	0.360 (9.1)	130 (193)
PWR4-2KV	2000	4 AWG	7	0.055 (1.4)	0.030 (0.8)	0.410 (10.4)	190 (283)
PWR2-2KV	2000	2 AWG	7	0.055 (1.4)	0.030 (0.8)	0.470 (11.9)	275 (409)
PWR01-2KV	2000	1/0 AWG	19	0.065 (1.6)	0.045 (1.1)	0.600 (15.2)	440 (655)
PWR02-2KV	2000	2/0 AWG	19	0.065 (1.6)	0.045 (1.1)	0.645 (16.3)	550 (818)
PWR04-2KV	2000	4/0 AWG	19	0.065 (1.6)	0.045 (1.1)	0.755 (19.1)	810 (1205)
PWR250-2KV	2000	250 KCMIL	37	0.075 (1.9)	0.065 (1.6)	0.860 (21.8)	990 (1473)
PWR350-2KV	2000	350 KCMIL	37	0.075 (1.9)	0.065 (1.6)	0.965 (24.5)	1330 (1979)
PWR500-2KV	2000	500 KCMIL	37	0.075 (1.9)	0.065 (1.6)	1.095 (27.8)	1835 (2730)
PWR750-2KV	2000	750 KCMIL	61	0.090 (2.3)	0.065 (1.6)	1.310 (33.2)	2702 (4021)
PWR1000-2KV	2000	1000 KCMIL	61	0.090 (2.3)	0.065 (1.6)	1.460 (37.0)	3520 (5238)

All conductors are strand class B.

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

Consult factory for a variety of alternate constructions for specific applications.

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