

2kV

Product Description

CPE jacket
90°C,
2 kV UL
UL Listed

Applications

Portable or fixed power cable for use in drilling rigs, diesel-electric locomotives, railroad and transit car wiring, where reliability is a prime concern. Also suitable for electrically-driven earth-moving equipment, water-heater leads, power and control jumpers, case wiring and motor leads.



Specification

- CONDUCTOR: Extra flexible, tinned, annealed, stranded copper, suitable separator may be used between conductor and insulation. Conductor sizes per AAR 589
- INSULATION: Ethylene Propylene Rubber (EPR) meeting requirements of ICEA S-95-658 (NEMA WC70)
- OVERALL JACKET: CPE
- STANDARDS: UL Listed RHH/RHW per UL 44 requirements. Meets CSA standards
- AMPACITY: Based on a single conductor in free air per NEC Table 310.17, an ambient temperature of 30°C and a conductor temperature of 90°C
- TEMPERATURE: 90°C
- VOLTAGE: 2 kV UL

Single conductor also available in Type W. Diameters and weights may vary among manufacturers.

Part No.	Conductor Size Circular Mils	Approx. Size AWG/kcmil	No. of Strands	Insulation Thickness (in.)	Overall Jacket Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.	Amps per Conductor
5N-1401-CPE	4,105	14	19	0.045	0.015	0.210	34	35
5N-1201-CPE	6,088	12	19	0.045	0.015	0.240	45	40
5N-1001-CPE	10,910	10	27	0.045	0.015	0.260	60	55
5N-0801-CPE	14,950	8	37	0.060	0.030	0.326	86	80
5N-0601-CPE	24,640	6	61	0.060	0.030	0.365	124	105
5N-0401-CPE	42,420	4	105	0.060	0.030	0.460	198	140
5N-0201-CPE	60,600	2	147	0.060	0.030	0.498	261	190
5N-0101-CPE	90,900	1	224	0.080	0.045	0.618	400	220
5N-1011-CPE	111,100	1/0	266	0.080	0.045	0.664	468	260
5N-2021-CPE	131,300	2/0	323	0.080	0.045	0.704	561	300

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5N-3031-CPE	181,800	3/0	418	0.080	0.045	0.789	725	350
5N-4041-CPE	222,200	4/0	532	0.080	0.045	0.839	888	405
5N-2621-CPE	262,600	262.6	646	0.090	0.065	0.973	1,048	467
5N-3131-CPE	313,100	313.1	777	0.090	0.065	1.029	1,227	522
5N-3731-CPE	373,700	373.7	925	0.090	0.065	1.094	1,436	591
5N-4441-CPE	444,400	444.4	1,110	0.090	0.065	1.169	1,691	652
5N-5351-CPE	535,300	535.3	1,332	0.090	0.065	1.295	2,034	728
5N-6461-CPE	646,400	646.4	1,591	0.090	0.065	1.368	2,395	815
5N-7771-CPE	777,700	777.7	1,924	0.090	0.065	1.488	3,050	904

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