

Case Wire

single or duplex EPR insulated conductors / 16, 12, 10, & 6 AWG / PVC jacket / 600 volt



Applications

These are 600 volt wires specifically designed for use inside cases in accordance with the AREMA Signal Manual. They are intended for use where flexibility and wire-to-wire friction are critical issues. They consist of ethylene propylene rubber (EPR) insulated conductors and a polyvinylchloride (PVC) outer jacket.

Specifications and Ratings

- AREMA Signal Parts 10.3.15, 10.3.19 and 10.3.23
- ICEA S-95-658 (NEMA WC 70)

Construction

CONDUCTOR: Class C or D stranded, soft drawn, bare or tinned copper per ASTM B3, B8 and B33.

INSULATION: Heat and moisture resistant EPR meeting the requirements of AREMA C&S Manual Part 10.3.19, suitable for a maximum continuous operating temperature of 90°C.

CIRCUIT IDENTIFICATION: PVC jacket coded in accordance with ICEA S-73-532 Appendix E Method 1.

OVERALL JACKET: Heat, moisture-resistant and flame-retardant PVC that meets the requirements of AREMA C&S Manual Part

Prysmian Group

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Part Number	Number of Conductors	Rated Voltage	Conductor Size	Average Insulation Thickness in (mm)	Average Jacket Thickness in (mm)	Cable O.D. in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
391136	1	16 AWG	19 x .0117	.030 (0.76)	.020 (0.51)	0.165 (4.2)	19 (28)
391188	2	16 AWG	19 x .0117	.030 (0.76)	.020 (0.51)	0.320 (8.1)	50 (74)
391135	1	12 AWG	19 x .0185	.030 (0.76)	.020 (0.51)	0.200 (5.1)	35 (52)
391135	1	12 AWG	19 x .0185	.030 (0.76)	.020 (0.51)	0.200 (5.1)	35 (52)
391134	1	10 AWG	27 x .0196	.030 (0.76)	.020 (0.51)	0.230 (5.8)	49 (73)
391187	2	10 AWG	19 x .0234	.030 (0.76)	.020 (0.51)	0.440 (11.2)	117 (173)
391186	1	6 AWG	37 x .0266	.030 (0.76)	.020 (0.51)	0.300 (7.6)	107 (158)

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

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