



MEDIUM VOLTAGE POWER CABLE ICEA S-93-639 NEMA WC 74

Single Core 8 kV, 133% Insulation Level (CU/XLPE/PVC)



- Conductor :** Concentric stranded bare copper in accordance with PNS 1207
- Conductor shield:** Extruded semi-conducting compound or lapped semi-conducting tape in accordance with ICEA S-93-639
- Insulation:** Extruded cross-link polyethylene (XLPE) in accordance with ICEA S-93-639
- Insulation shield:** Extruded semi-conducting compound or lapped semi-conducting tape in accordance with ICEA S-93-639
- Metallic shield:** An overlapped minimum 0.08 mm bare-annealed copper tape in accordance with ICEA S-93-639
- Jacket:** Black PVC in accordance with ICEA S-93-639

Conductor		Insulation thickness	Jacket thickness	Approx. overall diameter	Ampacity	Max. Cond. Resist. @ 20 °C	Approx. weight
Size	No. of strands						
mm ²		mm	mm	mm	Amp	Ω/km	Kg/km
14	7	3.56	1.75	18.74	110	1.29	447.68
22	7	3.56	1.75	19.94	150	0.818	551.44
30	7	3.56	1.75	20.84	195	0.618	639.97
38	19	3.56	2.23	22.90	225	0.470	800.00
50	19	3.56	2.23	23.90	260	0.376	921.06
60	19	3.56	2.23	24.90	300	0.301	1053.31
80	19	3.56	2.23	26.40	345	0.228	1271.75
100	19	3.56	2.23	27.90	400	0.178	1516.26
125	37	3.56	2.23	29.60	445	0.141	1811.42
250	37	3.56	2.23	35.55	685	0.0709	3124.21
400	61	3.56	2.23	41.00	-	0.0450	4649.03
500	61	3.56	3.18	45.60	1060	0.0370	5722.80

Ampacities are based on insulated single copper conductor isolated in air, based on conductor temperature of 90°C and ambient air temperature of 40°C per Table 3.10.2.51(C)(69) PEC Part 1, 2017 Edition

The data listed above is approximate and subject to normal manufacturing tolerance and change without prior notice.



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