



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

Single Core 35 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. resistance @ 20 ° C	Approx. Weight
Size	No. of Strands						
mm ²		mm	mm	mm	Amp	ohm/km	Kg/km
50	19	10.67	2.23	38.12	260	0.376	1653.93
60	19	10.67	2.23	39.12	300	0.301	1807.40
80	19	10.67	2.23	40.62	345	0.228	2058.29
100	19	10.67	2.23	42.12	395	0.178	2334.01
125	37	10.67	3.18	45.72	440	0.141	2858.98
250	37	10.67	3.18	51.67	680	0.0709	4323.79
400	61	10.67	3.18	57.12	-	0.0450	5987.84
500	61	10.67	3.18	59.82	1040	0.0370	6937.36

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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