



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

Single Core 25 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 mm	Jacket thickness mm	Approx. overall diameter mm	Ampacity Amp	Max.cond. resistance @ 20 ° C ohm/km	Approx. weight Kg/km
Size mm ²	No. of strands						
38	19	8.13	2.23	32.04	225	0.470	1222.63
50	19	8.13	2.23	33.04	260	0.376	1357.47
60	19	8.13	2.23	34.04	300	0.301	1503.36
80	19	8.13	2.23	35.54	345	0.228	1742.88
100	19	8.13	2.23	37.04	395	0.178	2007.23
125	37	8.13	2.23	38.74	440	0.141	2325.57
250	37	8.13	3.18	46.59	680	0.0709	3917.03
400	61	8.13	3.18	52.04	-	0.0450	5539.77
500	61	8.13	3.18	54.74	1040	0.0370	6468.82

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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