



MEDIUM VOLTAGE POWER CABLE ICEA S-96-659 NEMA WC 74

Single Core 5 kV, 100% & 133% Ins. Level (CU/XLPE/PVC) Unshielded



- 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-96-659
- Insulation:** Extruded cross-link polyethylene (XLPE) in accordance with ICEA S-96-659
- Insulation shield:** Extruded semi-conducting compound or lapped semi-conducting tape in accordance with ICEA S-96-659
- Metallic shield:** An overlapped minimum 0.08 mm bare-annealed copper tape in accordance with ICEA S-96-659
- Jacket:** Black PVC in accordance with ICEA S-96-659

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	Ω/km	Kg/km
8	7	3.18	2.03	15.41	83	2.30	283.35
14	7	3.18	2.03	16.61	110	1.29	365.38
22	7	3.18	2.03	17.81	145	0.818	463.74
30	7	3.18	2.03	18.71	190	0.618	548.23
38	19	3.18	2.03	19.81	225	0.470	654.16
50	19	3.18	2.03	20.81	260	0.376	768.69
60	19	3.18	2.03	21.81	300	0.301	894.26
80	19	3.18	2.41	24.08	345	0.228	1144.43
100	19	3.18	2.41	25.58	400	0.178	1380.92
125	37	3.56	2.79	28.80	445	0.141	1751.33
250	37	3.56	2.79	34.75	695	0.0709	3051.82
400	61	3.94	3.18	41.72	-	0.0450	4686.61
500	61	3.94	3.18	44.42	1075	0.0370	5569.33

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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