

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

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



- 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 <sup>2</sup>		mm	mm	mm	Amp	Ω/km	Kg/km
8	7	2.29	1.52	14.34	55	2.25	302
14	7	2.29	1.52	15.54	83	1.26	387
22	7	2.29	1.52	16.74	105	0.801	490
30	7	2.29	1.52	17.64	120	0.606	577
38	19	2.29	1.52	18.74	140	0.461	686
50	19	2.29	1.52	19.74	165	0.368	804
60	19	2.29	1.52	20.74	190	0.295	932
80	19	2.29	2.03	23.26	230	0.223	1199
100	19	2.29	2.03	24.76	265	0.175	1441
125	37	2.29	2.03	26.46	315	0.138	1734
250	61	2.29	2.03	32.46	485	0.0701	3042
400	61	2.29	2.03	37.86	635	0.0448	4561
500	61	2.29	2.03	40.56	695	0.0362	5440

Ampacities are based on three single - conductor cables in isolated conduit in air, Conductor temperature at 90 ° C per Table 3.10.1.71 of 2000 PEC.

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



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