

CONSTRUCTION CHARACTERISTICS TABLE - MEDIUM VOLTAGE ARMOURED - 3C 15 KV 133%

Part Number	Conductor Size	Approximate Diameters						Ground Wire Size	Approximate Diameters						Approx. Net Cable Weight		Ampacity	
		Conductor		Insulation		Insulation Shield			Inner Jacket		Armour		Outer Covering				Free Air or Cable Tray	Direct Buried
	AWG or kcmil	mm	inches	mm	inches	mm	inches	AWG	mm	inches	mm	inches	mm	inches	kg/km	lb/kft	Amps	Amps
12000804	1	7.6	0.30	19.6	0.77	20.9	0.82	6	51.6	2.03	60.5	2.38	63.8	2.51	4294	2885	197	228
12000805	1/0	8.5	0.34	20.5	0.81	21.9	0.86	6	53.6	2.11	62.5	2.46	65.8	2.59	4746	3189	225	257
12000806	2/0	9.6	0.38	21.5	0.85	22.9	0.90	6	55.8	2.20	64.7	2.55	68.0	2.68	5320	3575	260	292
12000807	4/0	12.1	0.48	24.1	0.95	25.4	1.00	4	61.3	2.41	70.2	2.76	73.5	2.89	6885	4627	342	372
12000808	250	13.2	0.52	25.5	1.00	26.8	1.06	4	64.3	2.53	73.2	2.88	76.5	3.01	7664	5150	376	410
12000779	350	15.6	0.62	27.9	1.10	29.3	1.15	3	70.9	2.79	79.8	3.14	83.6	3.29	9842	6614	460	487
12000436	500	18.7	0.74	31.0	1.22	32.4	1.27	3	77.5	3.05	86.4	3.40	90.2	3.55	12466	8377	556	573

Notes:

- 1) Where stated, "nominal" and "approximate" values are provided for information purposes only and are subject to standard manufacturing tolerances.
- 2) For free air or cable tray installations, the maximum conductor ampacities are calculated using the following installation parameters:
 - 90°C maximum allowable conductor temperature
 - 40°C ambient air temperature
 - No sun (cables shaded)
 - No wind
 - 100% load factor
 - Cable is bonded at both ends
- 3) For direct buried applications, the maximum conductor ampacities are calculated using the following installation parameters:
 - 90°C maximum allowable conductor temperature
 - 20°C earth ambient temperature
 - Earth thermal resistivity (RHO) of 90°C cm / W
 - 915 mm depth of burial
 - 100% load factor
 - Cable is bonded at both ends