

## TECHNICAL INFORMATION

Product - Code	Nominal Cross Sectional Area	Max. Conductor Resistance		Current Rating			Approx. Overall Diameter	Approx. Weight
		DC at 20 °C	AC at 70 °C	Laid Direct in Ground	Laid in Ducts	Laid in Free Air		
	mm <sup>2</sup>	Ω/km	Ω/km	A	A	A	mm	kg/km
Two Core Cables								
AP1-T102-U10	10 rm	3.080	3.300	46	39	46	15.0	295
AP1-T102-U11	16 rm	1.910	2.290	60	46	62	17.0	385
AP1-T102-U12	25 rm	1.200	1.440	77	60	81	20.0	540
AP1-T102-U13	35 rm	0.868	1.040	103	83	114	22.2	670
Three Core Cables								
AP1-T103-U10	10 rm	3.080	3.300	42	34	37	16.4	305
AP1-T103-U11	16 rm	1.910	2.290	53	42	50	18.6	400
AP1-T103-U12	25 rm	1.200	1.440	70	56	66	21.8	550
AP1-T103-U13	35 rm	0.868	1.040	95	75	88	24.2	680
Four Core Cables								
AP1-T104-U10	10 rm	3.0800	3.3000	42	34	37	17.9	395
AP1-T104-U11	16 rm	1.9100	2.2900	53	42	50	20.3	495
AP1-T104-U12	25 rm	1.2000	1.4400	70	56	66	23.9	700
AP1-T104-U13	35 rm	0.8680	1.0400	95	75	88	26.6	870
AP1-T104-U14	50 sm	0.6410	0.7710	115	85	105	29.3	1060
AP1-T104-U15	70 sm	0.4430	0.5330	135	110	132	32.9	1380
AP1-T104-U16	95 sm	0.3200	0.3850	165	130	160	37.8	1865
AP1-T104-U17	120 sm	0.2530	0.3050	185	150	187	41.2	2300
AP1-T104-U18	150 sm	0.2060	0.2490	210	170	215	45.9	2760
AP1-T104-U19	185 sm	0.1640	0.1990	235	195	248	50.7	3400
AP1-T104-U20	240 sm	0.1250	0.1510	275	225	292	57.0	4345
AP1-T104-U30	300 sm	0.1000	0.1230	310	260	347	63.3	5400
AP1-T104-U40	400 sm	0.0778	0.0962	361	300	405	70.1	6890
AP1-T104-U50	500 sm	0.0605	0.0761	413	348	459	77.6	8500

The above data is approximate and subjected to manufacturing tolerance.

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			DC at 20 °C	AC at 70 °C	Laid Direct in Ground	Laid in Ducts	Laid in Free Air		
	mm <sup>2</sup>	Ω/km	Ω/km	A	A	A	mm	kg/km	
<b>Four Core Cables with Reduced Neutral</b>									
AP1-T105-U13	35 rm	16 rm	0.8680/1.9100	1.0430/2.2900	95	75	88	25.0	720
AP1-T105-U14	50 sm	25 rm	0.6410/1.2000	0.7710/1.4400	115	85	105	28.1	970
AP1-T105-U15	70 sm	35 rm	0.4430/0.8680	0.5330/1.0400	135	110	132	31.4	1240
AP1-T105-U16	95 sm	50 sm	0.3200/0.6410	0.3850/0.7710	165	130	160	36.1	1660
AP1-T105-U17	120 sm	70 sm	0.2530/0.4430	0.3050/0.5330	185	150	187	39.5	2040
AP1-T105-U18	150 sm	70 sm	0.2060/0.4430	0.2490/0.5330	210	170	215	43.5	2435
AP1-T105-U19	185 sm	95 sm	0.1640/0.3200	0.1990/0.3850	235	195	248	48.2	3025
AP1-T105-U20	240 sm	120 sm	0.1250/0.2530	0.1510/0.3050	275	225	292	54.2	3830
AP1-T105-U30	300 sm	150 sm	0.1000/0.2060	0.1230/0.2490	310	260	347	60.0	4720
AP1-T105-U40	400 sm	185 sm	0.0778/0.1640	0.0962/0.1990	361	300	405	66.0	5980
AP1-T105-U50	500 sm	240 sm	0.0605/0.1250	0.0761/0.1510	413	348	459	73.3	7460

The above data is approximate and subjected to manufacturing tolerance.

rm : round, Stranded  
sm : Sector, Stranded