



PVC/PVC STEEL TAPE ARMoured CABLE



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION



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DATA SHEET

PVC/PVC Steel Tape Armoured Cables, also known as STA cables, are specifically designed for installation in areas where they may be subject to mechanical impact. These cables are constructed with a black PVC sheath for outer protection, XLPE insulation for electrical insulation and resistance to various fluids, chemicals, and UV radiation, copper conductors for electricity transmission, and steel tape armouring for additional mechanical protection.



APPLICATION

Our armoured cables are renowned for their durability and are primarily used in applications requiring high mechanical protection. Due to the steel tape armour serving as a robust mechanical shield, these cables can endure higher stresses, making them ideal for direct burial or use in external or underground systems. Commonly found in underground power networks and various power supply applications, STA cables ensure reliable electricity transmission in challenging environments.



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SPECIFICATIONS

Cross Section	Strand Size	Conductor Diameter	Insulation Thickness	Bedding Thickness	Steel Tape Armour Size	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Net Weight
6 mm ²	7×41 mils (7×1.05 mm)	122 mils (3.1 mm)	39 mils (1 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.45" (11.4 mm)	3.08 Ω/km	7.3 oz/ft (206 g/m)
10 mm ²	7×53 mils (7×1.35 mm)	157 mils (4 mm)	39 mils (1 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.49" (12.4 mm)	1.83 Ω/km	9.17 oz/ft (260 g/m)
16 mm ²	7×69 mils (7×1.72 mm)	201 mils (5.1 mm)	39 mils (1 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.53" (13.5 mm)	1.15 Ω/km	11.83 oz/ft (335 g/m)
25 mm ²	7×84 mils (7×2.14 mm)	252 mils (6.4 mm)	47 mils (1.2 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.6" (15.2 mm)	0.727 Ω/km	16.09 oz/ft (456 g/m)
35 mm ²	7×99 mils (7×2.52 mm)	295 mils (7.5 mm)	47 mils (1.2 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.64" (16.3 mm)	0.524 Ω/km	19.94 oz/ft (566 g/m)
50 mm ²	7×117 mils (7×2.98 mm)	327 mils (8.3 mm)	55 mils (1.4 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.69" (17.5 mm)	0.387 Ω/km	25.68 oz/ft (729 g/m)
70 mm ²	14×102 mils (14×2.58 mm)	398 mils (10.1 mm)	55 mils (1.4 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.76" (19.3 mm)	0.268 Ω/km	33.16 oz/ft (941 g/m)
95 mm ²	19×101 mils (19×2.56 mm)	457 mils (11.6 mm)	63 mils (1.6 mm)	39 mils (1 mm)	2×8 mils (2×0.2 mm)	71 mils (1.8 mm)	0.83" (21.2 mm)	0.193 Ω/km	42.66 oz/ft (1210 g/m)

Notes: All dimensions and weights are nominal. The parameter provided is subject to variation in material compositions and Jennings Anodes foundry tolerance.



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