

TRIDENT POWER PLUS 6

A 600/1000 Volt PVC sheathed energy distribution cable, available with, or without, steel wire armour, incorporating a screened Category 6a data cable enabling ease of installation for power and data connectivity within one cable. The cable can be installed in air, on tray, clipped directly to a surface or buried in the ground. The cable is durable and weather resistant.

Suitable for fixed applications where power and data are required, Electric Vehicle charging points, temporary buildings, home office domestic installations, CCTV outlets, access control and many other applications.

CONSTRUCTION

Plain stranded copper conductors, class 2, with cross linked polyethylene (XLPE) insulation, cores laid up with an individually and collectively screened Category 6a data cable, extruded inner and outer sheath with steel wire armour as an option.

Power cores - 3 Blue, Brown, Green/Yellow

Power cores - 5 Blue, Brown, Black, Grey, Green/Yellow

6a data pairs- 4 individually and collective screened

Black sheath overall

TECHNICAL DATA

IEC 60502-1, IEC 60228, TIA/EIA 568-B

Nominal Voltage	600/1000V
Test Voltage	3500V
Operating Temperature	-15°C to +90°C
Bending Radius	6 x o/d
Flame Propagation	IEC 60332-1-2
Current Rating	4E4A Armoured 4E2A Non armoured

Note - Minimum installation temperature 0°C



TRIDENT POWER PLUS 6 DIMENSIONS

UNARMoured

Cores x mm ² (+Cat 6a)	Insulation thickness mm	Approx diameter under sheath mm	Max conductor resistance 20 C Ohms/km	Nom sheath thickness mm	Nom OD mm	Weight kg / km
3 x 4.0	0.7	12.6	4.61	1.1	14.9	363
3 x 6.0	0.7	13.6	3.08	1.2	16	446
3 x 10.0	0.7	14.3	1.83	1.2	16.7	566
3 x 16.0	0.7	16.0	1.15	1.3	18.6	780
5 x 6.0	0.7	16.1	3.08	1.3	18.7	618
5 x 10.0	0.7	17.1	1.83	1.3	19.7	817
5 x 16.0	0.7	19.6	1.15	1.4	22.4	1161

ARMoured

Cores x mm ² (+Cat 6a)	Insulation thickness mm	Approx diameter under sheath mm	Max conductor resistance 20 C Ohms/km	Nom sheath thickness mm	Nom OD mm	Weight kg / km
3 x 4.0	0.7	14.1	4.61	1.1	18.2	634
3 x 6.0	0.7	15.1	3.08	1.2	20	831
3 x 10.0	0.7	15.8	1.83	1.2	20.7	962
3 x 16.0	0.7	17.4	1.15	1.3	22.5	1204
5 x 6.0	0.7	17.6	3.08	1.3	22.7	1060
5 x 10.0	0.7	18.6	1.83	1.3	23.7	1280
5 x 16.0	0.7	21.0	1.15	1.4	26.9	1802

