

# Stranded Single, Insulated XLPE 90 °C & Sheathing PVC 90 °C 600-1000 V

## Application:

Suitable for installation in areas with reduced risk of mechanical damage; on tray, in free air or clipped direct. Suitable also for conduit and wiring installations when mechanical protection is required.

## Applicable Standards:

Stranded SC –XLPE-PVC are designed and tested according to the requirements of BS7889/IEC60502 -1. Flame propagation to BS EN 50265 /IEC 60332 standards.

## Specification:

### Conductor

Stranded annealed copper conductor class 2 according to BS EN 60228 and IEC 60228.

### Insulation:

Cross linked polyethylene (XLPE) insulation rated 90 °C at normal operation according to BS7655-1.3 requirements for type GP8 and comply with IEC 60502-1.

### Colors:

Standard colors (Blue, Brown, Black or Gray)

### Sheathing:

Solid extruded PVC with temperature rating 90 °C at normal operation applied over the laid up assembled cores as per Type 9 according to BS7655-4.2 and ST2 to IEC 60502-1.

### Flame retardancy:

Stranded SC –XLPE-PVC have been tested and approved with the flame performance standards according to BS EN 60332-1/IEC 60332.

### Packing:

Available in standard length of 1000 meter on drum (Other lengths available on request)

### Marking:

ELECTRIC CABLES 1x2.5 mm<sup>2</sup> CU/XLPE/PVC 600/1000 V BS7889



## Technical Data:

Size (MM <sup>2</sup> )	Construction No. X Diam.	Max. DC conductor Resistance. (ohm/km at 20C °c)	Insulation Thickness (MM)	Sheathing Thickness (MM)	Nominal Outer Diameter (MM)	Approx. Net Weight (Kg/km)	Current Carry Capacity at 30C ambient temperature		Ordering Information
							Ampere ( Air)	Ampere (Ground)	Item Code
1.5	7 x 0.52	12.1	0.7	1.4	5.76	49	29	22	P2XV1000ST- 1*1.5
2.5	7 x 0.67	7.41	0.7	1.4	6.21	62	38	30	P2XV1000ST- 1*2.5
4	7 x 0.85	4.61	0.7	1.4	6.75	79	51	43	P2XV1000ST- 1*4
6	7 x 1.04	3.08	0.7	1.4	7.15	101	64	55	P2XV1000ST- 1*6
10	7 x 1.34	1.83	0.7	1.4	8.22	151	86	72	P2XV1000ST- 1*10
16	7 x 1.68	1.15	0.7	1.4	9.22	207	121	93	P2XV1000ST- 1*16
25	7 x 2.14	0.727	0.9	1.4	11.1	312	150	118	P2XV1000ST- 1*25
35	7 x 2.52	0.524	0.9	1.4	12.1	402	190	146	P2XV1000ST- 1*35
50	19 x 1.78	0.387	1.0	1.4	13.2	517	232	175	P2XV1000ST- 1*50