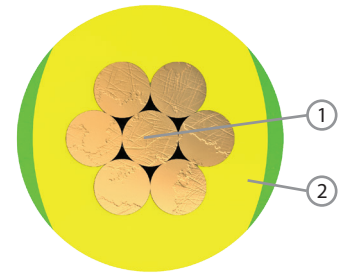
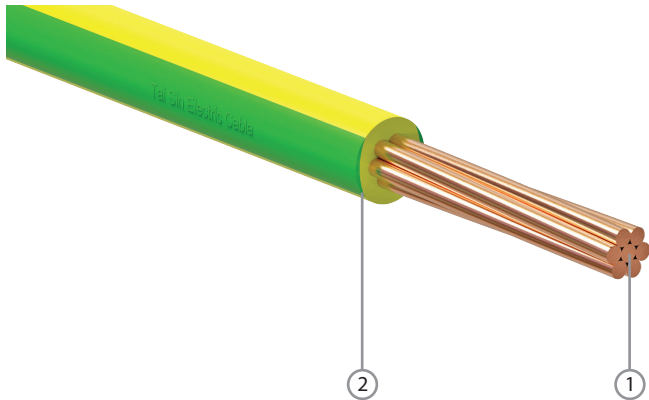


# PVC

## CU / PVC (SINGLE CORE)

PVC Insulated, Non-Sheathed Cable, 450/750V, SS358-3, BS EN50525-2-31, IEC60227-3



**Component**  
1. Plain Annealed Copper Wire  
2. PVC Compound

### CONSTRUCTION

Conductor:	Plain Annealed Copper, Class 2 Stranded Circular or Compacted
Insulation:	Polyvinyl Chloride (PVC) Compound Type PVC/C
Insulation Colour:	Black, Green/Yellow, Blue, White, Brown, Grey or Others

### REFERENCE STANDARDS

Design Specification:	SS358-3, BS EN50525-2-31, IEC60227-3
Conductor:	IEC60228, BS EN60228
Flame Retardancy:	IEC60332-1, BS EN60332-1

### ELECTRICAL CHARACTERISTICS

Operating Voltage, U <sub>0</sub> /U:	450/750V
Operating Temperature:	-15°C to 70°C
Final Short Circuit Temperature:	160°C for cable ≤ 300mm <sup>2</sup> 140°C for cable >300mm <sup>2</sup>
Test Voltage:	2.5kV for 5 minutes

### INSTALLATION REFERENCE

Min. Bending Radius (mm):	6 x cable overall diameter
Max. Pulling Tension (N/mm <sup>2</sup> ):	50

	Nominal Conductor Area (mm <sup>2</sup> )	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Mean Overall Diameter (Upper Limit) (mm)	Approximate Weight (kg/km)
	1 x 1.5	7 / 0.53	0.7	3.0	22.7
	1 x 2.5	7 / 0.67	0.8	3.6	34.0
	1 x 4	7 / 0.85	0.8	4.2	50.0
	1 x 6	7 / 1.04	0.8	4.7	70.9
	1 x 10	7 / 1.35	1.0	6.1	117.5
	1 x 16	7 / 1.70	1.0	6.7	177.4
	1 x 25	7 / 2.14	1.2	8.3	282.0
	1 x 35	7 / 2.52	1.2	9.4	380.3
	1 x 50	19 / 1.78	1.4	11.2	515.8
	1 x 70	19 / 2.14	1.4	12.9	726.4
	1 x 95	19 / 2.52	1.6	15.1	1002.9
	1 x 120	37 / 2.03	1.6	16.7	1251.0
	1 x 150	37 / 2.25	1.8	18.5	1538.7
	1 x 185	37 / 2.52	2.0	20.7	1927.9
	1 x 240	61 / 2.25	2.2	23.6	2522.6
	1 x 300	61 / 2.52	2.4	26.3	3155.2
	1 x 400	61 / 2.85	2.6	29.5	4018.0
	1 x 500	61 / 3.20	2.8	32.9	5044.9
	1 x 630	127 / 2.52	2.8	38.4	6443.4

SINGLE CORE

# For current rating and voltage drop, please refer to Table B1.1 and B2.1 on Page 66.

Table 2