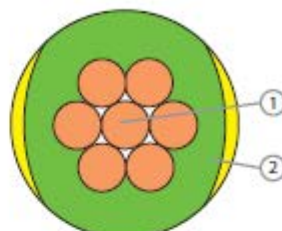


PVC

CU / PVC (SINGLE CORE)

PVC Insulated, Non-Sheathed Cable, 450 / 750V, SS358, BS EN50525-2-31, IEC60227, MS2112-3



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 C
Insulation Colour:	Black, Green/Yellow, Red, Yellow, Blue, White, Brown, Grey or Others

REFERENCE STANDARDS

Design Specification:	SS358, BS EN50525-2-31, IEC60227 MS2112-3
Conductor:	IEC60228, BS EN60228
Flame Retardancy:	IEC60332-1, BS EN60332-1

ELECTRICAL CHARACTERISTICS

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

INSTALLATION REFERENCE

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

	Nominal Conductor Area (mm ²)	No. and Diameter of Wires (no./mm)	Radial Thickness of Insulation (mm)	Mean Overall Diameter (Upper Limit) (mm)	Approximate Weight (kg/km)
SINGLE CORE	1 x 1.5	7 / 0.53	0.7	3.4	22.7
	1 x 2.5	7 / 0.67	0.8	4.2	34.0
	1 x 4	7 / 0.85	0.8	4.8	50.0
	1 x 6	7 / 1.04	0.8	5.4	70.9
	1 x 10	7 / 1.35	1.0	6.8	117.5
	1 x 16	7 / 1.70	1.0	8.0	177.4
	1 x 25	7 / 2.14	1.2	9.8	282.0
	1 x 35	7 / 2.52	1.2	11.0	380.3
	1 x 35	19 / 1.53	1.2	11.0	376.0
	1 x 50	19 / 1.78	1.4	13.0	515.8
	1 x 70	19 / 2.14	1.4	15.0	726.4
	1 x 95	19 / 2.52	1.6	17.0	1002.9
	1 x 120	37 / 2.03	1.6	19.0	1251.0
	1 x 150	37 / 2.25	1.8	21.0	1538.7
	1 x 185	37 / 2.52	2.0	23.5	1927.9
	1 x 240	61 / 2.25	2.2	26.5	2522.6
	1 x 300	61 / 2.52	2.4	29.5	3155.2
	1 x 400	61 / 2.85	2.6	33.5	4018.0
	1 x 500	61 / 3.20	2.8	37.0	5044.9
	1 x 630	127 / 2.52	2.8	41.0	6443.4