

PVC Insulated Steel-Wire Armoured Power Cables (0.6/1kV)

As per : IEC 60502

Application

This cable is preferably used for supplying main power/ as a control cable. It is also used for industrial installation such as in cable duct, cable trench, power stations and switchgear. This cable is suitable for ground emplacement if a higher electrical or mechanical protection is required.

Cable Construction

- Conductor: plain annealed, stranded circular non-compacted or shaped copper.
- Insulation: PVC
- Bedding: PVC or PVC tapes
- Armour: Galvanized round steel wires
- Sheath: PVC
- Colour: 2C — Red and Black
- 3C — Red, Yellow and Blue
- 4C — Red, Yellow, Blue and Black
- 5 Cores and above — White insulation with black numbers printed on cores

Technical Data

- Applicable standard: IEC 60502
- Rated voltage: 600/1000V
- Testing voltage: 3.5kV/5min
- Max. conductor operating temperature: 70°C

Production Range

- 1C from 1.5 sq to 630 sq. mm
- 2C from 1.5 sq to 35 sq. mm

Note

- Alternative materials may be provided if specified (eg. LSOH compound/Mica tape)

Physical Parameters

0.6/1 kV Power Cables

Rated Cross Section (mm ²)	Copper Conductor	Insulation Thickness (mm)	Sheath Thickness (mm)	Average Overall Diameter (mm)	Approx.net Weight (kg/km)
3x1.5	7x0.52	0.6	1.3	12.6	312
3x2.5	7x0.66	0.7	1.4	14.1	393
3x4	7x0.83	0.7	1.4	15.2	478
3x6	7x1.02	0.7	1.4	16.5	579
3x10	7x1.34	0.7	1.5	19.1	861
3x16	7x1.70	0.7	1.6	21.7	1148
3x25	7x2.20	0.9	1.7	25.7	1763
3x35	7x2.55	0.9	1.8	28.3	2177
3x50	10x2.66	1.4	2.0	37.0	3020
4x2.5	7x0.66	0.7	1.4	15.0	447
4x4	7x0.83	0.7	1.4	16.2	549
4x6	7x1.02	0.7	1.5	18.5	777
4x10	7x1.34	0.7	1.5	20.5	1007
4x16	7x1.70	0.7	1.6	23.3	1366
4x25	7x2.20	0.9	1.7	27.6	2105
4x35	7x2.55	0.9	1.8	30.5	2612
4x50	10x2.66	1.4	1.8	41.2	4050

