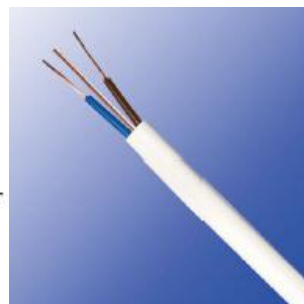
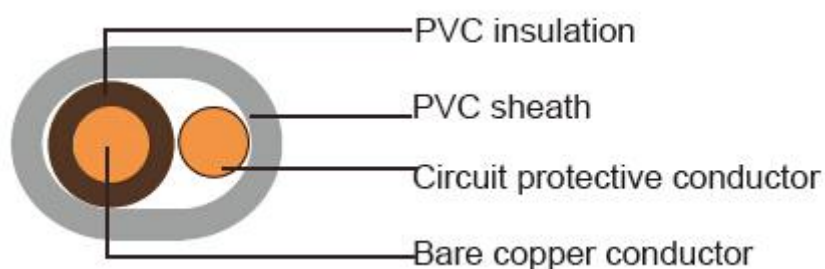


## 6241Y/6242Y/ 6243Y to BS 6004

### Application and Description

6241Y/6242Y/ 6243Y to BS 6004 cables are suitable for fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster. They should be laid in conduit or trunking where mechanical protection is required.

### Cable Construction



Fine bare copper strands

Stranding to IEC 60228 CL-1 or 2

PVC insulation type TI1 to BS 7655

The core or cores shall be laid parallel with the uninsulated circuit protective conductor

For twin cores, the protective conductor centrally placed between cores in same plane

For 3 cores, the protective conductor centrally placed between black and grey cores in same plane

PVC sheath type T6 to BS 7655

### Core Identification

2 cores: brown and blue, or, for 2 × 1.0 and 2 × 1.5 cables, brown and brown

3 cores: brown, black (centre core) and grey

### Technical Characteristics

Working voltage: 300/500v

Test voltage: 2000 volts

Minimum bending radius: 4xOverall diameter

Flexing temperature: -15° C to +70° C

Short circuit temperature: +160° C

Flame retardant: IEC 60332.1

Insulation resistance: 10 MΩxkm

### Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm <sup>2</sup>	Nominal thickness of insulation mm	Nominal thickness of sheath mm	Nominal overall dimensions		Circuit protective conductor AWG	Nominal Weight kg/km
				lower limit mm	upper limit mm		
6241Y							
17	1 × 1.0	0.6	0.9	3.9x5.1	4.8x6.0	17	45

16	1 × 1.5	0.7	0.9	4.4x5.4	5.3x6.6	17	55
6242Y							
17	2 × 1.0	0.6	0.9	3.9x7.2	4.8x8.7	17	68
16	2 × 1.5	0.7	0.9	4.4x8.1	5.3x9.7	17	85
14	2 × 2.5	0.8	1	5.1x9.6	6.2x11.7	16	120
12(7/20)	2 × 4	0.8	1	5.7x10.8	6.9x13.1	16	175
10(7/18)	2 × 6	0.8	1.1	6.4x12.4	7.8x15.0	14	240
8(7/16)	2 × 10	1	1.2	7.9x15.5	9.5x18.9	12(7/20)	390
6(7/14)	2 × 16	1	1.3	8.9x18.1	10.8x21.9	10(7/18)	560
6243Y							
17	3 × 1.0	0.6	0.9	3.9x9.4	4.8x11.4	17	91
16	3 × 1.5	0.7	0.9	4.4x10.7	5.3x12.9	17	115
14	3 × 2.5	0.8	1	5.1x12.6	6.2x15.3	17	170
12(7/20)	3 × 4	0.8	1.1	5.9x14.8	7.1x17.9	16	250
10(7/18)	3 × 6	0.8	1.1	6.4x16.8	7.8x20.2	14	340
8(7/16)	3 × 10	1	1.2	7.9x21.3	9.5x25.7	12(7/20)	540
6(7/14)	3 × 16	1	1.3	8.9x24.6	10.8x29.7	10(7/18)	790