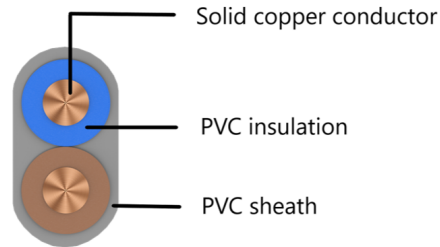


# POLYCAB 6192Y/6193Y BS 6004 MC

## Lighting & Appliance wire, 300/500 V AC



Images not to scale. Follow table for dimensions

### APPLICATION

POLYCAB 6192Y/6193Y BS 6004 MC stranded copper conductor PVC insulated, and PVC sheathed cable confirm the requirement as per BS 6004. These cables are intended to use for electric power and lighting application.

### CHARACTERISTICS

#### Voltage Rating

300/500 V

#### Operation Temperature

Fixed: -15°C to +70°C

Max. short circuit temp. 160°C

#### Bending Radius

Fixed installation > 8 x Overall Diameter

Occasional > 6 x Overall Diameter

### CONSTRUCTION

- Annealed stranded or solid copper conductor as per EN 60228, class 2 or Class 1
- Insulated with PVC Type TI 1 to EN 50363-3
- Sheathed with PVC Type 6 to BS 7655-4.2

#### Core Identification

Twin core Brown and Blue or 2 x 1 & 2 x 1.5 cables, Brown and Brown with number printing.

Three core Brown, Black (Centre core) and Grey

#### Test Voltage

2000V AC at (20±5) °C

### OUTSTANDING FEATURES

- Flame propagation
- Heat stability
- UV stability

### STANDARD FOLLOWS

IEC 60228

EN 50363-3

BS 7655-4.2

BS 6004:2000

### COMPLIANCE

Conductor Resistance test - IEC 60228

Insulation Resistance test - BS 6004

Flame propagation - EN 60332-1-2

### OUR ACCREDITATIONS



### APPROVAL



**POLYCAB 6192Y/6193Y BS 6004 MC**  
**Lighting & Appliance wire, 300/500 V AC**

**WEIGHT & DIMENSION DATA :**

Product Code	Construction n x mm <sup>2</sup>	Class of conductor	Nominal insulation thickness mm	Overall Dimension (Approx.) mm	Weight (Approx.) kg/km
LDBS04CYUAYA002C001S	2 x 1	1	0.6	4.1 x 6.4	50
LDBS04CYUAYA002C1.5S	2 x 1.5	1	0.7	4.6 x 7.4	69
LDBS04CYUAYA002C1.5S	2 x 1.5	2	0.7	4.8 x 7.8	72
LDBS04CYUAYA002C2.5S	2 x 2.5	1	0.8	5.4 x 8.8	102
LDBS04CYUAYA002C2.5S	2 x 2.5	2	0.8	5.6 x 9.2	105
LDBS04CYUAYA002C004S	2 x 4	2	0.8	6.18 x 10.36	144
LDBS04CYUAYA002C006S	2 x 6	2	0.8	6.92 x 11.64	193
LDBS04CYUAYA002C010S	2 x 10	2	1	8.45 x 14.5	308
LDBS04CYUAYA002C016S	2 x 16	2	1	9.7 x 16.8	446
LDBS04CYUAYA003C001S	3 x 1	1	0.6	4.1 x 8.7	71
LDBS04CYUAYA003C1.5S	3 x 1.5	1	0.7	4.6 x 10.2	100
LDBS04CYUAYA003C2.5S	3 x 2.5	1	0.8	5.4 x 12.2	150
LDBS04CYUAYA003C004S	3 x 4	2	0.8	6.38 x 14.74	219
LDBS04CYUAYA003C006S	3 x 6	2	0.8	6.92 x 16.36	286
LDBS04CYUAYA003C010S	3 x 10	2	1	8.45 x 20.55	457
LDBS04CYUAYA003C016S	3 x 16	2	1	9.7 x 23.9	665

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### Electrical characteristics

Current carrying capacity and maximum DC conductor resistance.

Nominal cross sectional area mm <sup>2</sup>	Reference method A* (in conduit in wall) Amp.	Reference method C* (clipped direct) Amp.	Max. DC conductor Resistance at 20°C Ω/km
1	11.5	16	18.1
1.5	14.5	20	12.1
2.5	20	27	7.41
4	26	37	4.61
6	32	47	3.08
10	44	64	1.83
16	57	85	1.15

Ambient temperature: 30°C

Conductor operating temperature: 70°C

The above table is in accordance with Table 4D5 of BS 7671:2018

Note- A\* For full installation method refer to Table 4A2 Installation Method 2 but for flat twin and earth cable of the 17th Edition of IEE Wiring Regulations.

C\* For full installation method refer to Table 4A2 Installation Method 20 but for flat twin and earth cable of the 17th Edition of IEE Wiring Regulations.

### De-Rating Factor

De-rating factor for 70°C thermoplastic or thermosetting insulated cable

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-rating factor	0.91	0.82	0.71	0.58	0.41