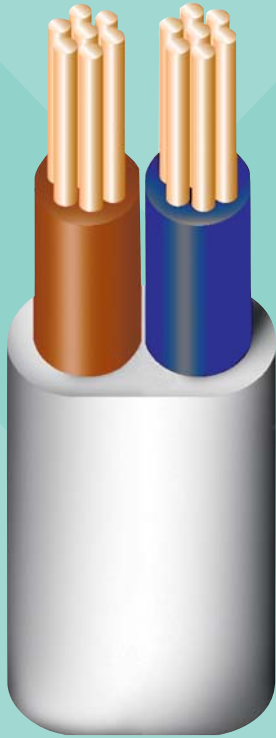


# Standard Power Cables

Low Voltage (300/500 V)

## 6192Y



### Cable Approvals

- > Cable approved to BS6004



### Key Applications

- > Fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster

### Conductor

- > Plain annealed copper conductor
- > 1.5 mm<sup>2</sup> to 2.5mm<sup>2</sup> solid conductor complying with BS EN60228 Class 1
- > 4.0mm<sup>2</sup> stranded complying with BS EN 60228 Class 2

### Insulation

- > PVC Insulation complying with BS7655 requirements for type TI 1

### Core Identification

- ○ brown - blue

### Sheath

- > PVC outer sheath complying with BS7655 requirements for type 6
- > Normally grey or white but other colours available upon request



**Temperature Range**  
-15 to +70°C



**Bending Radius**  
Fixed  $r=4D$   
(minor axis)



**Mechanical Impact**  
Medium



**Fire Performance**  
BS EN 60332-1-2



**Flexibility**  
Rigid

# PVC Flat Wiring Cables

## Cable Details

Nominal Cross sectional Area  mm <sup>2</sup>	Approximate overall diameter  mm	Approximate cable weight  kg/km	Maximum DC conductor resistance at 20°C  ohms/km	Short circuit rating of conductor (1 Sec)  kA	Current Rating		Volt drop DC or single phase AC  mV/A/m
					DC or single phase AC clipped direct  Amps	DC or single phase AC enclosed in conduit in an insulated wall  Amps	
<b>2 Core</b>							
1.5	4.6 x 7.4	65	12.1	0.17	20	14.5	29
2.5	5.4 x 8.8	100	7.41	0.28	27	20	18
4.0	6.2 x 10.4	140	4.61	0.46	37	26	11

### Temperature Rating Factors

Ambient Temperature°C	25	30	35	40	45	50	55	60
Rating Factor	1.03	1.00	0.94	0.87	0.79	0.71	0.61	0.50

### Correction factors for groupings

Number of circuits	2	3	4	5	6	7	8	9	10	12	14	16	18	20
Rating Factor	0.80	0.70	0.65	0.60	0.57	0.54	0.52	0.50	0.48	0.45	0.43	0.41	0.39	0.38

Minimum recommended installation temperature +5°C.

All cables should be installed in accordance with the appropriate regulations including BS7671/IEE wiring regulations, or any other national legislation. Reference should be made to BS7540 for the full guide to use.

The tabulated ratings are based upon a 30°C ambient temperature and 70°C operation temperature. For other ambient temperatures or where cables are grouped together, appropriate rating factors should be applied

# B · A · S · E · C

BRITISH APPROVALS SERVICE FOR CABLES

## Product Certification Schedule

Schedule No: 017/003/168

Licensee: PRYSMIAN CABLES & SYSTEMS LTD, CHICKENHALL LANE, EASTLEIGH, HANTS, SO50 6YU

Factory: PRYSMIAN CABLES & SYSTEMS LTD, HARRIET STREET, TRECYNON, ABERDARE, SOUTH WALES, CF44 7EN

Specification: BS 6004:2000 Incorporating Amendment Nos. 1 & 2 - Electric Cables - PVC insulated, non-armoured cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring.

Type of Cable: Table 7 - PVC insulated, PVC sheathed cable, 300/500 V, single core, flat twin and 3-core.

HAR Document: Not applicable

HAR Specification: Not applicable

Range of Approval: Copper Conductor Cables - 1.0sqmm to 35sqmm nominal cross-sectional areas of conductor inclusive. Single-core. 1.5sqmm to 4sqmm nominal cross-sectional of conductor inclusive. Flat twin. Sheath - Type 6. Insulation - T11. Colour of Sheath: White or Grey.

Origin Thread: Not applicable

Origin Mark: BRITCABLE (A) or PRYSMIAN (A)

### PERMISSIBLE MARKS



# BASEC

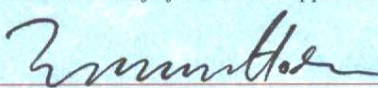
YELLOW  
ACETATE  
THREAD

Please refer to the BASEC Product Certification Requirements

Expiry Date: 11/08/2011



*Signed for and on behalf of the British Approvals Service for Cables*

  
Chief Executive

Date 04/12/2008



004