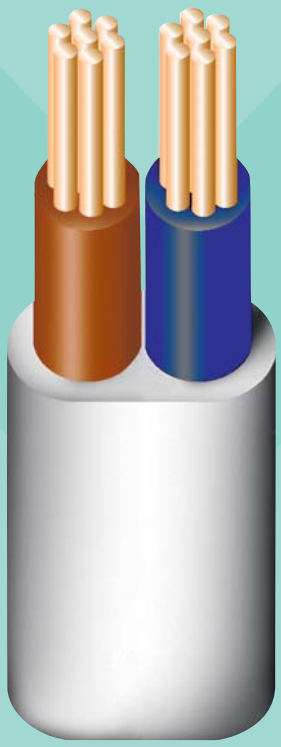
Standard Power Cables

Low Voltage (300/500 V)

6192Y

PVC Flat Wiring Cables



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 mm² to 2.5mm² solid conductor complying with BS EN60228 Class 1
> 4.0mm² stranded complying with BS EN 60228 Class 2

Insulation

> PVC Insulation complying with BS7655 requiremnets for type TI 1

Core Identification

o o 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

Prysmian Cables & Systems Limited, Sales Office, Chickenhall Lane, Eastleigh, Hants, SO50 6YU, UK
Commercial Enquiries, Tel +44 (0) 8457 678 345, Fax: +44 (0) 23 8029 5465
www.prysmian.co.uk

PVC Flat Wiring Cables

Cable Details

Nominal Cross sectional Area	Appoximate overall diameter	Approximate cable weight	Maximum DC conductor resistance at 20°C	Short circuit rating of conductor (1 Sec)	Current Rating		Volt drop DC or single phase AC
					DC or single phase AC clipped direct	DC or single phase AC enclosed in conduit in an insulated wall	
mm²	mm	kg/km	ohms/km	kA	Amps	Amps	mV/A/m
2 Core							
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

Prysmian Cables & Systems Limited, Sales Office, Chickenhall Lane, Eastleigh, Hants, SO50 6YU, UK
Commercial Enquiries, Tel +44 (0) 8457 678 345, Fax: +44 (0) 23 8029 5465
www.prysmian.co.uk

Certificate No:
017/003/225

Issue No: 6

Certificate of Product Approval

Licensee:
Prysmian Cables & Systems Ltd

Chickenhall Lane, Eastleigh, SO50 6YU, Hampshire, United Kingdom

Factory:
Harriet Street

Trecynon, Aberdare, CF44 0TD, Glamorgan, United Kingdom

Standard:
BS 6004:2012

Description:
PVC insulated and sheathed cables

Details:
N/A

Materials:
Insulation TI 1, Sheath Type 6

Brand Name:
N/A

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

Permissible Approval Marks:

BASEC name | BASEC roundel

Signed for and on behalf of BASEC Group Limited

Date: 07/08/2026

Date of original issue: 19/07/2009
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
Email: mail@basec.org.uk Web: www.basec.org.uk

UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029

BASEC
a kiwa company

Certificate No:
017/003/225

Issue No: 6

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
3	6181Y	Class 1	1	1	2.5
3	6181Y	Class 2	1	4	35
3	6192Y	Class 1	2	1	2.5
3	6192Y	Class 2	2	4	4
4	6241Y	Class 1	1	1	1.5
4	6242Y	Class 1	2	1	2.5
4	6243Y	Class 1	3	1	1.5
4	6242Y	Class 2	2	4	16
5	6241Y	Class 2	1	1.5	1.5
5	6242Y	Class 2	2	1.5	2.5

Signed for and on behalf of BASEC Group Limited

Date: 07/08/2026

Date of original issue: 19/07/2009
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
Email: mail@basec.org.uk Web: www.basec.org.uk

UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029