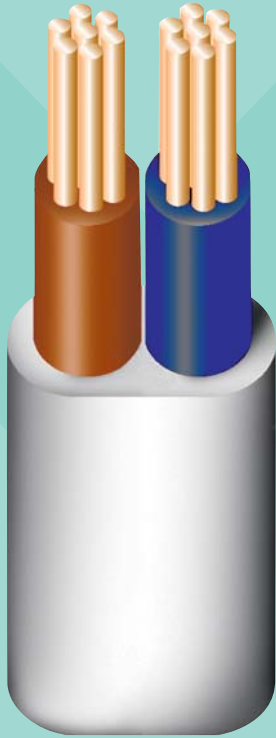


Standard Power Cables

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 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 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 ²	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	
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



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

BASEC name



BASEC roundel

Signed for and on behalf of
BASEC Group Ltd

Kieran O'Brien Date: 06/07/2023

Date of original issue: 19/07/2009

Check BASEC website to verify validity.

Page 1 of 2

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BSF079 Issue 5 (20-03-2023)



Expiry date:
11/08/2026



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

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