



Draka

A brand of the

Prysmian Group

Power Cables Low Voltage (600/1000 V)

XLPE Insulated, PVC Sheathed, Armored Cables to BS5467



Cable Certificate

BASEC



Conductor

> Plain annealed copper stranded conductor complying with BS EN 60228 Class 2, circular or sector-shaped

Insulation

> XLPE insulation

Core Identification

> Single core: blue or brown
Two-core: blue-brown
Three-core: brown-black-grey
Fore-core: blue-brown-black-grey
Five-core: blue-brown-black-grey-yellow/green
7 - 37 cores: black with numbers or white with numbers
Or as required by customer

Bedding

> Extruded bedding compound

Armor

> Single layer of galvanized steel wires
Aluminum wires for single core

Outer Sheath

> PVC sheath

Sheath Color

> Black or as required by customer

Installation

> All cables should be installed in accordance with the appropriate regulations, including IET, or any other national legislation.
Not be installed when temperature of cables below 0°C



Temperature Range
-15 to +90°C



Bending Radius
Circular conductor $r = 6D$
Shaped conductor $r = 8D$



Mechanical Impact
Very Good



Fire Performance
BS EN 60332-1-2



Flexibility
Rigid



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Nominal cross-section of conductor	Thickness of insulation	Thickness of extruded bedding	Diameter of armor wire	Thickness of sheath	Approx. overall diameter	Approx. weight
mm ²	mm	mm	mm	mm	mm	kg/km
Single core cable						
70	1.1	0.8	1.25	1.5	19.1	919
95	1.1	0.8	1.25	1.6	20.9	1193
120	1.2	0.8	1.25	1.6	22.5	1451
150	1.4	1.0	1.6	1.7	25.7	1831
185	1.6	1.0	1.6	1.8	28.0	2224
240	1.7	1.0	1.6	1.8	30.5	2804
300	1.8	1.0	1.6	1.9	33.1	3453
400	2	1.2	2.0	2.0	38.1	4486
500	2.2	1.2	2.0	2.1	41.6	5555
630	2.4	1.2	2.0	2.2	45.8	6990
Two-core cable						
1.5	0.6	0.8	0.9	1.3	11.7	262
2.5	0.7	0.8	0.9	1.4	13.2	329
4	0.7	0.8	0.9	1.4	14.3	388
6	0.7	0.8	0.9	1.4	15.4	459
10	0.7	0.8	0.9	1.5	17.4	635
16	0.7	0.8	1.25	1.5	20.3	939
25	0.9	0.8	1.25	1.6	24.0	1305
35	0.9	1.0	1.6	1.7	27.5	1788
50	1.0	1.0	1.6	1.9	29.1	2079
70	1.1	1.2	2.0	2.0	33.1	2736
95	1.1	1.2	2.0	2.1	37.9	3773
120	1.2	1.2	2.0	2.1	41.3	4465
Three-core cable						
1.5	0.6	0.8	0.9	1.3	12.2	287
2.5	0.7	0.8	0.9	1.4	13.7	364
4	0.7	0.8	0.9	1.4	14.9	437
6	0.7	0.8	0.9	1.4	16.0	531
10	0.7	0.8	1.25	1.5	19.0	843
16	0.7	0.8	1.25	1.6	21.6	1122
25	0.9	1.0	1.6	1.7	26.6	1736
35*	0.9	1.0	1.6	1.8	26.0	1864
50*	1.0	1.0	1.6	1.8	29.0	2320
70*	1.1	1.0	1.6	1.9	32.4	3033
95*	1.1	1.2	2.0	2.1	37.2	4199
120*	1.2	1.2	2.0	2.2	40.4	5117
150*	1.4	1.4	2.5	2.3	45.8	6435
185*	1.6	1.4	2.5	2.4	49.9	7886
240*	1.7	1.4	2.5	2.6	54.8	9787
300*	1.8	1.6	2.5	2.7	59.9	11953
400*	2.0	1.6	2.5	2.9	67.0	15285



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Four-core cable						
1.5	0.6	0.8	0.9	1.3	12.9	322
2.5	0.7	0.8	0.9	1.4	14.6	417
4	0.7	0.8	0.9	1.4	15.9	508
6	0.7	0.8	1.25	1.5	18.1	724
10	0.7	0.8	1.25	1.5	20.4	991
16	0.7	0.8	1.25	1.6	23.3	1329
25	0.9	1.0	1.6	1.7	28.7	2096
35*	0.9	1.0	1.6	1.8	28.7	2303
50*	1.0	1.0	1.6	1.9	32.3	2910
70*	1.1	1.2	2.0	2.1	37.8	4129
95*	1.1	1.2	2.0	2.2	41.7	5319
120*	1.2	1.4	2.5	2.3	46.9	7121
150*	1.4	1.4	2.5	2.4	51.5	8380
185*	1.6	1.4	2.5	2.6	56.3	10013
240*	1.7	1.6	2.5	2.7	62.3	12554
300*	1.8	1.6	2.5	2.9	68.0	15366
400*	2.0	1.8	3.15	3.2	78.2	20087
Five-core cable						
1.5	0.6	0.8	0.9	1.4	13.9	376
2.5	0.7	0.8	0.9	1.4	15.6	480
4	0.7	0.8	0.9	1.5	17.2	600
6	0.7	0.8	1.25	1.5	19.4	835
10	0.7	0.8	1.25	1.6	22.2	1167
16	0.7	1.0	1.6	1.7	26.4	1754
25	0.9	1.0	1.6	1.8	31.3	2489
35	0.9	1.0	1.6	1.9	34.5	3103
50	1.0	1.2	2.0	2.0	37.8	3981
70	1.1	1.2	2.0	2.2	43.4	5338
Seven-core cable						
1.5	0.6	0.8	0.9	1.4	14.8	426
2.5	0.7	0.8	0.9	1.4	16.6	556
4	0.7	0.8	1.25	1.5	19.1	799
Twelve-core cable						
1.5	0.6	0.8	1.25	1.5	18.9	713
2.5	0.7	0.8	1.25	1.6	21.7	936
4	0.7	1.0	1.6	1.6	25.0	1338
Nineteen-core cable						
1.5	0.6	0.8	1.25	1.6	21.5	925
2.5	0.7	1.0	1.6	1.7	25.9	1406
4	0.7	1.0	1.6	1.7	28.6	1788
Twenty seven-core cable						
1.5	0.6	1.0	1.6	1.7	26.0	1346
2.5	0.7	1.0	1.6	1.8	30.1	1822
4	0.7	1.0	1.6	1.9	33.6	2342
Thirty seven-core cable						
1.5	0.6	1.0	1.6	1.7	28.4	1622
2.5	0.7	1.0	1.6	1.8	33.0	2213
4	0.7	1.2	2.0	2.0	38.4	3205

Note: *means sector-shaped conductor, others are circular.

Certificate of Product Approval

Licensee:

Suzhou Draka Cable Co., Ltd.

No. 88 Kangyuan Road, Xiangcheng Economic Development District, Suzhou, 215131, China

Factory:

No. 88 Kangyuan Road, Xiangcheng Economic Development District, Suzhou, 215131, China

Standard:

BS 5467:2016 Incorporating Corrigendum No. 1

Description:

Armoured power cables with PVC sheathing

Details:

2-core, 1.5 sqmm - 120 sqmm are circular conductors only.

3-core to 4-core, 1.5 sqmm - 35 sqmm are circular conductors only.

3-core to 4-core, 35 sqmm - 400 sqmm are shaped conductors only.

Materials:

Insulation GP 8, Sheath Type 9

Brand Name:

N/A

Origin Mark:

PRYSMIAN (S) or DRAKA (S)

Permissible Approval Marks:

BASEC



BASEC name

BASEC roundel

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

Tony Lioveri

Date: 02/03/2021

Date of original issue: 31/07/2018

Check BASEC website to verify validity.

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BASEC, Presley House, Presley Way, Milton Keynes, MK8 0ES,

Registered in England No. 1150237, Tel: +44(0)1908267300

Email: mail@basec.org.uk, Web: www.basec.org.uk



Expiry date:
01/06/2024

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
4	6941X	Class 2	1	70	630
5	6942X	Class 2	2	1.5	120
6	6943X	Class 2	3	1.5	35
6	6943X	Class 2	3	35	400
7	6944X	Class 2	4	1.5	35
7	6944X	Class 2	4	35	400
8	6945X	Class 2	5	1.5	70
9	6947X	Class 2	7	1.5	4
9	6940/12X	Class 2	12	1.5	4
9	6940/19X	Class 2	19	1.5	4
9	6940/27X	Class 2	27	1.5	4
9	6940/37X	Class 2	37	1.5	4

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Registered in England No. 1150237, Tel: +44(0)1908267300
Email: mail@basec.org.uk, Web: www.basec.org.uk



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