



BS7889

Draka BS7889 - Industrial Single Core Cable

Unarmoured industrial single core wiring cable with cross linked polyethene insulation and PVC sheath. Suitable for installation in areas with reduced risk of mechanical damage; on tray, in free air or clipped direct. Suitable also for conduit and wiring installations when mechanical protection is required.



Construction

Manufacturing standard:	BS 7889
Conductors:	Stranded plain annealed copper wire (Class 2) to BS EN 60228
Insulation:	XLPE
Sheath:	PVC
Core colours:	Brown or Blue
Sheath colour:	Black

Physical Characteristics

Voltage rating (U₀/U):	600/1000V
Max. conductor temp:	90°C Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-5 of BS7671, the 17th Edition of IEE Wiring Regulations)
Min. bending radius:	4D (up to and including 185mm ²) 6D (240mm ² and larger)
Current rating:	Refer to tables 4E1A & 4E1B in BS7671

Other colours available on request





Draka

BS7889

Single core 6U81SH

Nominal area of conductor	Insulation thickness	Insulation sheath thickness	Mean overall diameter (upper limit)	Approx. weight of cable	Maximum conductor resistance @ 20°C
mm ²	mm	mm	mm	kg/km	Ω/km
1.5	0.7	1.4	5.9	50	12.10
2.5	0.7	1.4	6.4	65	7.41
4	0.7	1.4	6.8	80	4.61
6	0.7	1.4	7.5	105	3.08
10	0.7	1.4	8.4	150	1.83
16	0.7	1.4	9.0	200	1.15
25	0.9	1.4	10.6	295	0.727
35	0.9	1.4	11.6	390	0.524
50	1.0	1.4	13.2	515	0.387
70	1.1	1.4	14.9	715	0.268
95	1.1	1.5	16.7	970	0.193
120	1.2	1.5	18.9	1235	0.153
150	1.4	1.6	20.9	1510	0.124
185	1.6	1.6	22.9	1860	0.0991
240	1.7	1.7	25.4	2410	0.0754
300	1.8	1.8	28.1	3010	0.0601
400	2.0	1.9	32.0	3030	0.0470
500	2.2	2.0	36.0	4915	0.0366
630	2.4	2.2	40.7	6320	0.0283
800	2.6	2.3	45.8	8210	0.0221
1000	2.8	2.4	50.8	10290	0.0176



DrakaBS78893102013

Prysmian Group,
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Eastleigh,
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A brand of the

Prysmian Group



Certificate of Product Approval

Licensee:

Draka UK Ltd

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

Factory:

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

Standard:

BS 7889:2012

Description:

Non-armoured power cables with PVC sheathing

Details:

Materials:

Insulation GP 8, Sheath Type 9

Brand Name:

Origin Mark:
DRAKA UK (B)

Permissible Approval Marks:

BASEC

BASEC name



BASEC roundel

Signed for and on behalf of
BASEC Group Ltd

Kieran O'Brien Date: 06/06/2022

Date of original issue: 14/04/2014

Check BASEC website to verify validity.

Page 1 of 2

BASEC Group Ltd, 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

BSF079 Issue 5 (20-03-2023)



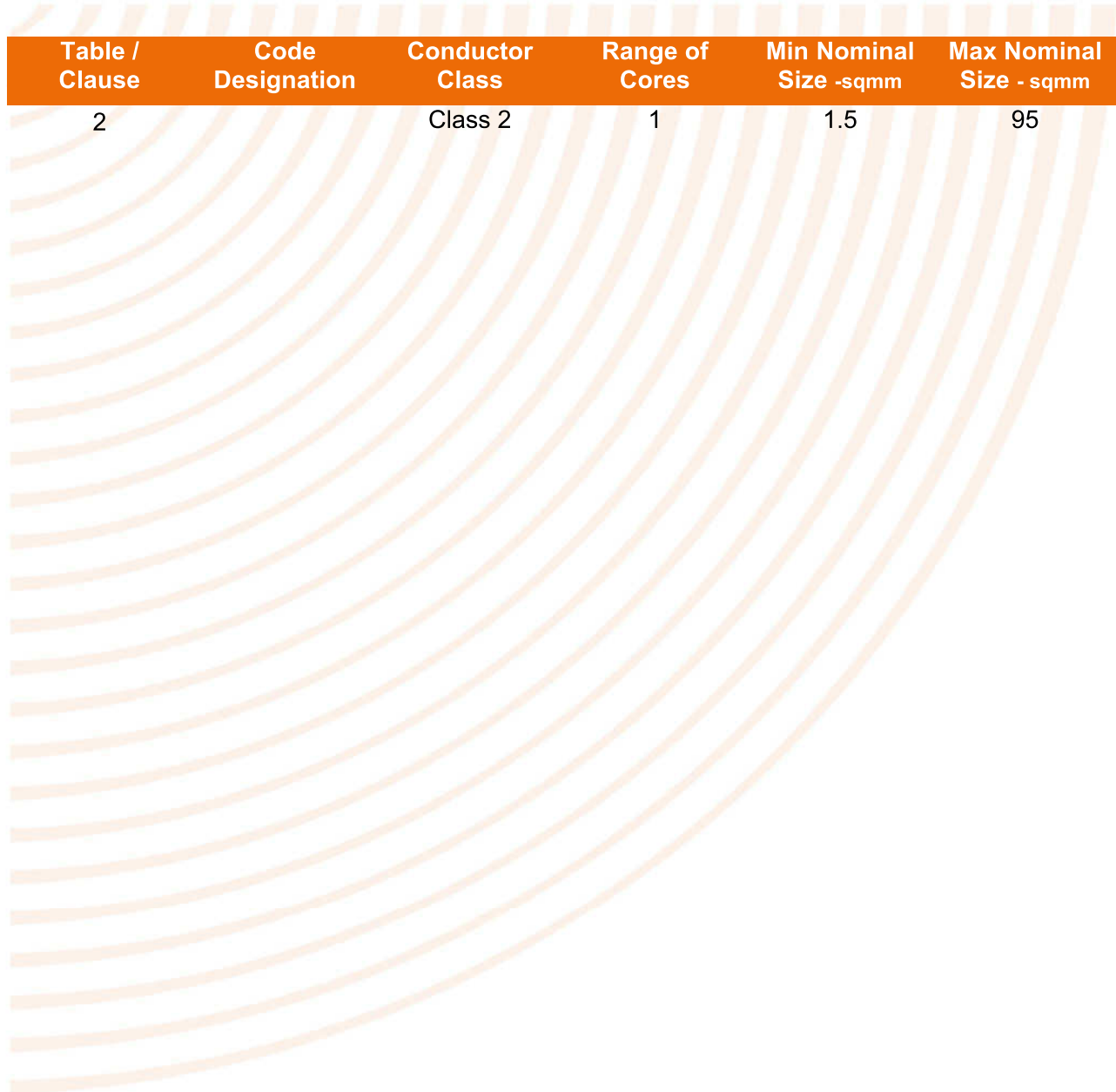
Expiry date:
11/08/2026



Certificate No:
189/001/065
Issue No: 4

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
2		Class 2	1	1.5	95



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Certificate of Product Approval

Licensee:

Draka UK Ltd

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

Factory:
Oak Road

Wrexham Industrial Estate, Wrexham, LL13 9PH, Clwyd, United Kingdom

Standard:
BS 7889:2012

Description:
Non-armoured power cables with PVC sheathing

Details:

Materials:
Insulation GP 8, Sheath Type 9

Brand Name:

Origin Mark:
DRAKA UK (W)

Permissible Approval Marks:

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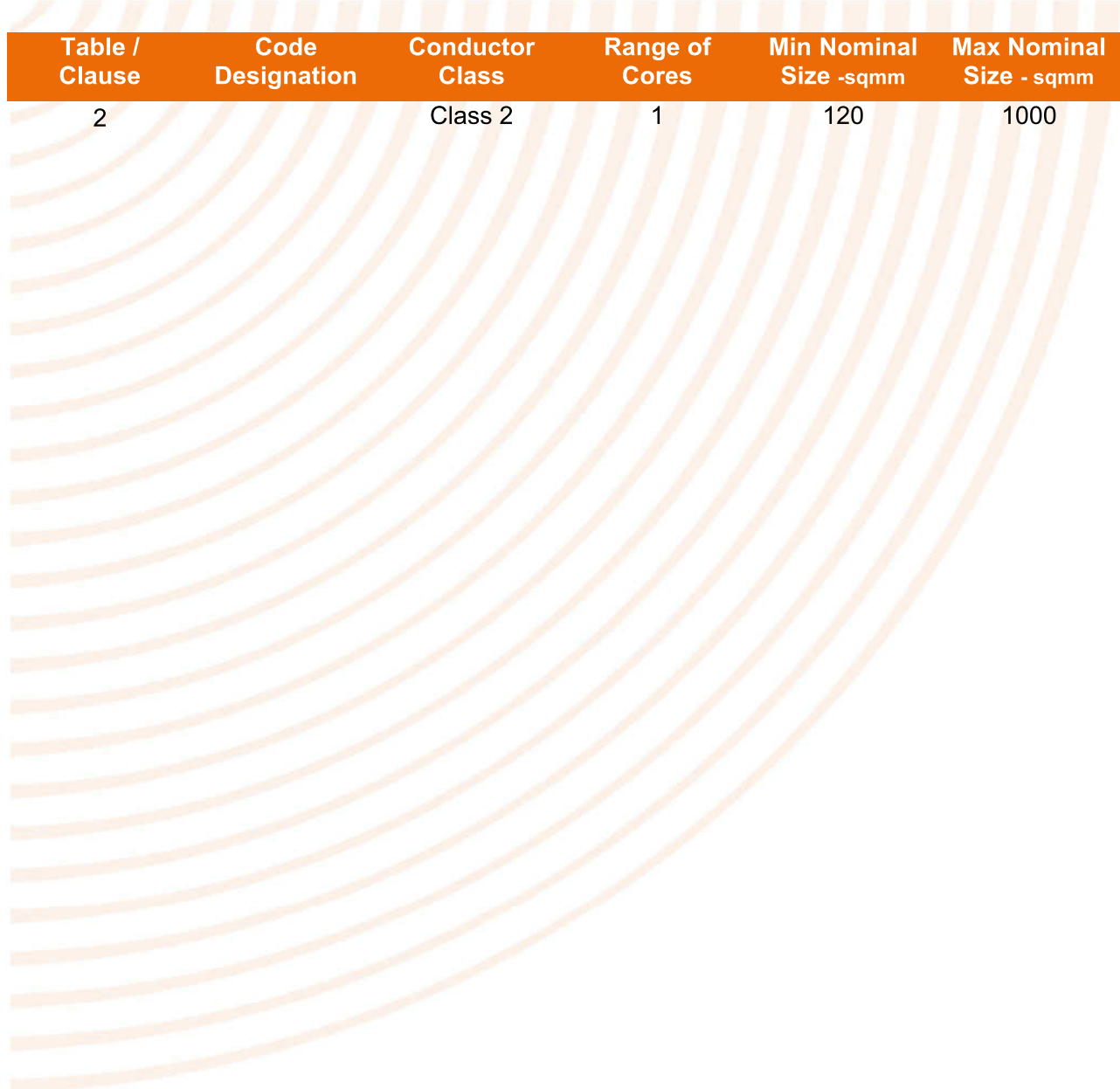


Certificate No:
189/003/022

Issue No: 5

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
2		Class 2	1	120	1000



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