

MIN -25°C



RoHS

318(*)A

300/500V

BS 6004:2012

PVC insulated and sheathed flexible cords, low temperature arctic grade

APPLICATIONS

The cables are suitable for use on ELV systems (110 V centre tapped) on building sites in the UK; use with temporary traffic light systems when suitably protected; indoor use at low voltage (230 V). The cables are not suitable for outdoor use at voltages greater than 110 V ELV. Yellow sheath for ELV and site services, etc. Blue sheath for temporary traffic lights, etc.

Standard length cable packing

500 or 1000 m on drums.
Other forms of packing and delivery are available on request.

CONSTRUCTION

Conductors:

Annealed copper, class 5 flexible conductor acc. to EN 60228

Insulation:

Special PVC compound

Sheath:

Special PVC compound resistant to low temperature



CHARACTERISTICS

Core identification:	2-core: blue, brown 3-core: green-yellow, blue, brown 4-core: green-yellow, brown, black, grey or green-yellow, blue, brown, black 5-core*: green-yellow, blue, brown, black, grey
Colour of sheath:	yellow or blue
Maximum continuous conductor operating:	+60°C
Maximum conductor short circuit (max. allowable time 5s):	+160°C
Maximum cable surface:	+50°C
Maximum storage:	+40°C
Minimum installation and handling:	-25°C
Minimum bending radius:	7.5 × D, D – overall diameter
Test voltage (50Hz):	2000V

Technical and Electrical Characteristics

Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n × mm²	mm	mm	mm	mm	kg/km	Ω/km
2 x 0.5	0.21	0.6	0.8	5.8	43	39
2 x 0.75	0.21	0.6	0.8	6.2	52	26
2 x 1	0.21	0.6	0.8	6.4	58	19.5
2 x 1.5	0.26	0.7	0.8	7.4	79	13.3
2 x 2.5	0.26	0.8	1	9.2	123	7.98
2 x 4	0.31	0.8	1.1	10.3	166	4.95
3 x 0.75	0.21	0.6	0.8	6.6	61	26
3 x 1	0.21	0.6	0.8	6.8	69	19.5
3 x 1.5	0.26	0.7	0.9	8.1	99	13.3
3 x 2.5	0.26	0.8	1.1	9.9	154	7.98
3 x 4	0.31	0.8	1.2	11.1	210	4.95
3 x 6*	0.31	0.8	1.2	12.4	280	3.3
4 x 0.75	0.21	0.6	0.8	7.2	74	26
4 x 1	0.21	0.6	0.9	7.6	88	19.5
4 x 1.5	0.26	0.7	1	9	124	13.3
4 x 2.5	0.26	0.8	1.1	10.8	188	7.98
4 x 4	0.31	0.8	1.2	12.2	259	4.95
5 x 0.75	0.21	0.6	0.9	8	93	26
5 x 1	0.21	0.6	0.9	8.3	107	19.5
5 x 1.5	0.26	0.7	1.1	10	156	13.3
5 x 2.5	0.26	0.8	1.2	12.1	236	7.98
5 x 4	0.31	0.8	1.4	13.7	330	4.95
4 x 0.75	0.21	0.6	0.8	7.2	74	26
4 x 1	0.21	0.6	0.9	7.6	88	19.5
4 x 1.5	0.26	0.7	1	9	124	13.3
4 x 2.5	0.26	0.8	1.1	10.8	188	7.98
4 x 4	0.31	0.8	1.2	12.2	259	4.95

Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n × mm²	mm	mm	mm	mm	kg/km	Ω/km
5 × 0.75	0.21	0.6	0.9	8	93	26
5 × 1	0.21	0.6	0.9	8.3	107	19.5
5 × 1.5	0.26	0.7	1.1	10	156	13.3
5 × 2.5	0.26	0.8	1.2	12.1	236	7.98
5 × 4	0.31	0.8	1.4	13.7	330	4.95

*based on norm

Current rating

Cross-section	Current ratings	
	Single phase	Three phase
mm²	A	A
0,75	6	6
1	10	10
1,5	16	16
2,5	25	20
4	32	25

For ambient temperature 30°C

The information contained in this document, including the tables and drawings, are provided for illustrative purposes only and not a commercial offer; nor may it constitute the basis for pursuing any claim against TELE-FONIKA KABLE SA. The suitability of any product including properties, should be made by a qualified person; having already gained the appropriate permissions and documentation, to ensure compliance with any applicable law or regulation.