

Cables 300/500 V

318-A Arctic Grade



Description

The Arctic Grade cables comply with the construction product classification criteria according to the EU CPR Regulation 305/2011 and EN 50575.

These cables are designed to support severe climate conditions and to remain flexible at such low temperatures as -40 °C. The plastic formulation for the Arctic Grade cables, manufactured according to standard BS6004, means that they remain flexible in extreme cold conditions, making them ideal for outdoor applications, where cable flexibility is a requirement at temperatures of below 0 °C.

Reference Standards: BS 6004 table 6

Applications

Suitable for the following installations:

- Installations at very low temperatures (-40°C) where the cable must remain flexible.

Technical Characteristics

1. Conductor	Flexible electrolytic copper conductor (Class V) according to BS-EN 60228, UNE-EN 60228 and UNE 60228
2. Insulation	PVC Insulation type TI-4 according to BS-EN 50363-3, UNE-EN 50363-3 and EN 50363-3
3. Sheath	PVC type 10 according to BS 7655-4.2
Service temperature	-40/70 °C
Nominal voltage	300/500 V
Test voltage	2.000 V A.C.

Other characteristics

Sheath colours: blue or yellow

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

CPR classification according to EN 50575

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)	Class
2x0,5	39	5,60	39	-
2x0,75	26	5,95	43	-
2x1	19,5	5,90	49	-
2x1,5	13,3	6,80	66	-
2x2,5	7,98	8,70	109	Eca
2x4	4,95	9,70	148	Eca
3G0,5	39	5,70	43	-
3G0,75	26	6,30	60	-
3G1	19,5	6,30	60	-
3G1,5	13,3	7,50	85	Eca
3G2,5	7,98	9,20	132	Eca
3G4	4,95	10,50	189	Eca
4x0,75	26	6,90	75	-
4x1	19,5	7,10	77	-
4x1,5	13,3	8,55	110	Eca
4x2,5	7,98	10,50	172	Eca
4x4	4,95	11,50	234	Eca
5x0,75	26	7,70	90	Eca
5x1	26	7,80	92	Eca
5x1,5	13,3	9,60	136	Eca
5x2,5	7,98	11,20	198	Eca
5x4	4,95	13,00	291	Eca