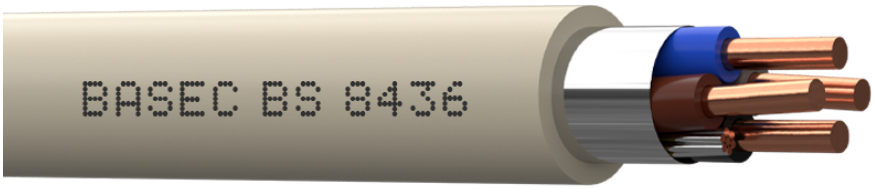
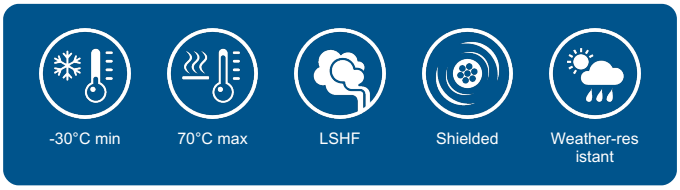


FLEXISHIELD



The original BS 8436 cable – widely imitated, but never surpassed. A premium aluminium-screened cable for indoor and outdoor low-voltage power and lighting applications. Engineered to fail safe when penetrated by a metallic object, it offers a reliable and cost-effective solution for compliance with Wiring Regulations for cables concealed at depths of less than 50 mm – especially outside recognised ‘safe zones’ or within metal and part-metal wall constructions (BS 7671:2018, Regulations 522.6.201–204).

APPLICATION

The original BS 8436 cable, often imitated but never bettered. An aluminium screened
indoor and outdoor wiring cable for low voltage power and lighting circuits. Designed to
fail safe when penetrated by a metallic object and provide a cost effective solution to meet
the Wiring Regulations for cables concealed at depths of less than 50 mm, particularly
outside of ‘safe zones’, or in walls of metal or part metal construction (BS 7671:2018,
Regulations 522.6.201-204).

STANDARDS

Flame retardant
IEC 60332-1
IEC 60332-2

Construction
BS8436 2011

Smoke density
BE EN 61034-2

Halogen free
BS EN 50267-2-1

APPROVAL

CONSTRUCTION

Bending radius - Minimum
6 xOD

Color
(2 core) Brown-Blue, (3 core) Brown-Grey-Black, (4 core), Brown-Blue-Grey-Black

Drain wire
Class 2 tinned copper (same size as conductors) to BS EN 13603: 2002, Clause 5

Insulation
XLPE

Labeling example
FLEXISHIELD BASEC BS8436 XLPE 1.5mm 2c+E ELECTRIC CABLE 300/500V 2022 H

Outer sheath
LSHF

Screening
Heavy duty aluminium foil

PROPERTIES

CPR class
Dca

Max temperature
70 °C

Min. temperature
-30 °C

AC Voltage rating U_0/U
300/500V

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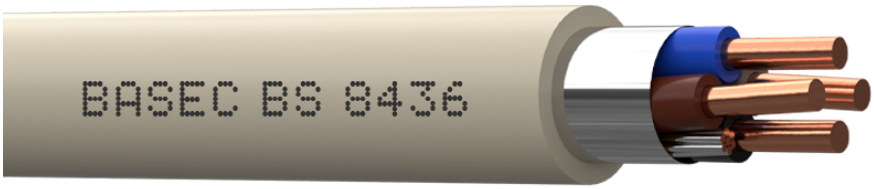

Name	Outer diameter [mm]	Number of cores [pcs]	Total weight [kg/km]
1.5 mm² 2c+E	8.2	3	10
1.5 mm² 3c+E	9	4	12
1.5 mm² 4c+E	9.8	5	15
2.5mm² 2c+E	9	3	13.3
2.5mm² 3c+E	10.05	4	16.7
2.5mm² 4c+E	11.5	5	21.9
4.0 mm² 2c+E	10.6	3	18.9
4.0mm² 3c+E	11.5	4	24.1
4.0mm² 4c+E	13	5	29.6
6.0mm² 2c+E	12.6	3	27.6
6.0mm² 3c+E	14.2	4	36
6.0mm² 4c+E	16.5	5	46.6
10.0mm² 2c+E	16	3	44

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