



FLEXIBLE POWER CABLE



Flexible power cable

TITLE:

3182B Flex Power LSZH

CODE:

SFX/3182B-2C-0.75-LSZH-BLK-U-200

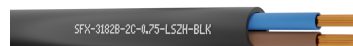
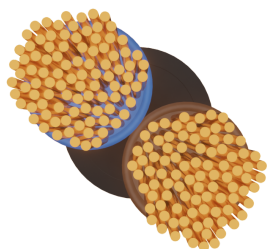
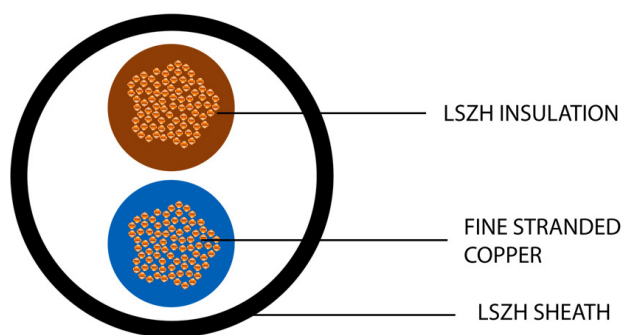
DESCRIPTION:

200m 3182B 0.75mm Flex Black LSZH
(H05Z1Z1-F 2X0.75)

SUPPLIED AS:

Reel of 200m

- Used to connect appliances to mains electricity supplies
- Can be used in light duty domestic and office wiring applications
- Low smoke zero halogen plastic is good for use inside public buildings and spaces as will not emit toxic gases if the cable catches fire
- Conforms to European Harmonisation Standards
- Improved performance and protection against fire
- Stable, flexible durable and robust cable



enquiries@securiflex.co.uk | www.securiflex.co.uk | 03333 44 66 23



Product Specification

25-YEAR WARRANTY



Cable Construction

| | |
|-----------------------|--------------------------------|
| Cable Construction | 2 Cores |
| CPR | Dca |
| Conductor | Fine Stranded Copper (Class 5) |
| Overall Diameter (mm) | 6.30 |

Insulation

| | |
|-------------------|------------|
| Insulation | LSZH |
| Insulation Colour | Blue,Brown |

Outer/Jacket Specification

| | |
|-----------------------|-------|
| Jacket | LSZH |
| Overall Colour | Black |
| Overall Diameter (mm) | 6.30 |
| Jacket Colour | Black |

Electrical Characteristics

| | |
|------------------------------------|----------------|
| Max Conductor DC resistance @ 20°C | 26.00Ω/km |
| Rated Temperature (°C) | -40°C to +70°C |
| Rated Voltage (V) | 300/500V |



enquiries@securiflex.co.uk | www.securiflex.co.uk | 03333 44 66 23



FLEXIBLE POWER CABLE



Flexible power cable

MORE INFORMATION:

| EURO CLASS (ca: cable) | CLASSIFICATION CRITERIA | | CPR GUIDE | |
|----------------------------------|---|--|---|---|
| | FIRE RATING | SFX COMMENT | | Securi-Flex® |
| Reaction to Fire BS EN ISO 1716 | | | SUBCLASSIFICATIONS FOR EUROCLASSES B _{ca} to D _{ca} | |
| A_{ca} | Does not contribute to the fire | Due to availability, it will be almost impossible for a cable to meet A _{ca} , so they should only be specified with extreme caution. | (S) SMOKE PRODUCTION | (D) FLAMING DROPLETS |
| Reaction to Fire BS EN 50399 | | | BS EN 50399/BS EN 61034-2 | BS EN 50399 |
| B1_{ca} | Minimum contribution to the fire | It's highly unlikely the commonly-used cables will be classified to Class B1 _{ca} . | s1a: s1 + transmittance >=80% (BS EN 61034-2) | d0: No fall of droplets or flaming particles, times for 1200 seconds |
| B2_{ca} | Combustible, low flame spread & heat release contribution to the fire | Similar to Class C _{ca} , although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet. | s1b: s1 + transmittance >=60% <80% (BS EN 61034-2) | a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3) |
| C_{ca} | Combustible, moderate flame spread & heat release | This is a more rigorous test than Class D _{ca} , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C _{ca} though availability is improving. | s1: Low production of slow propagation of smoke | d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds |
| D_{ca} | Combustible, moderate flame spread & heat release | This classification has relatively little use or acceptance within specifying/contracting organisations. This is because no large scale fire growth is measured. | s2: Intermediate production & propagation of smoke | a2: low acidity (conductivity <10 μS/mm & pH >4.3) |
| Reaction to Fire BS EN 60332-1-2 | | | s3: None of the above | d2: None of the above |
| E_{ca} | Combustible, limited fire spread of less than 425mm | A basic test for vertical flame propagation for a single insulated wire or cable using a 1 KW pre-mixed flame. Note: This test does not measure heat release, toxic fumes or smoke. | Visit us online: www.securiflex.co.uk | |
| F_{ca} | Combustible, fire spread of more than 425mm | Cables classified to Class F _{ca} may have high levels of flammability due to the materials they are made of. This does not mean that the cable cannot be used, it is more likely to be used external. | The Trusted Cable Brand | |
| | | | Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2 _{ca} to E _{ca} . For a cable to meet A _{ca} , B1 _{ca} , B2 _{ca} or C _{ca} , there also needs to be regular on-going factory audits. | |

OUR OPERATING TEMPERATURE RANGE GUIDE



Securi-Flex®

enquiries@securiflex.co.uk | www.securiflex.co.uk | 03333 44 66 23

TERMS AND CONDITIONS APPLY - WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY AND COMPLETENESS OF THE INFORMATION, NO GUARANTEE IS GIVEN NOR RESPONSIBILITY TAKEN FOR ERRORS OR OMISSIONS IN THIS DATA SHEET.

