TITLE:

YY Control Flex LSZH
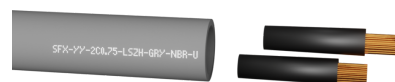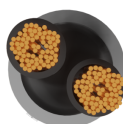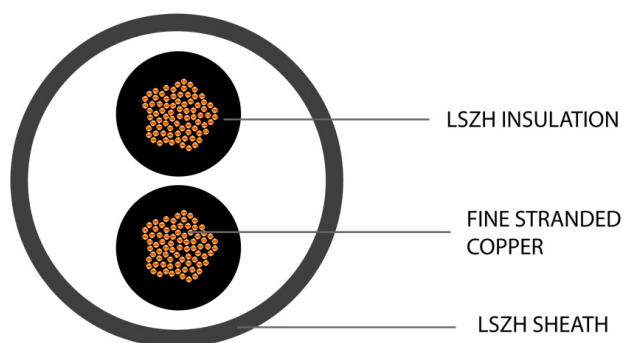
CODE:

SFX/YY-2C-0.75-LSZH-GRY-NBR-U-1000

DESCRIPTION:

1000m YY Control Flex 2 Core 0.75mm Grey LSZH Numbered Cores

SUPPLIED AS:

Reel of 1000m

- Works well in high mechanical stress areas

- Good for instillations requiring high flexibility

- 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

- Widely seen in industrial buildings but can also be used domestically

- Improved performance and protection against fire

- Can be cut to any length required saving instillation time

- Can be used externally if protected correctly

LSZH INSULATION

FINE STRANDED COPPER

LSZH SHEATH

FLAME-FLEX® Drum-R\)ll LUCKINS™ epim ELECTRICAL DISTRIBUTORS' ASSOCIATION BASEC KNX MEMBER cai CPR UKCA

Product Specification

Cable Construction

Cable Construction	2 Cores
CPR	Cca -s1a -a1 -d1
Conductor	Fine Stranded Copper (Class 5)
Conductor Diameter (mm)	0.75
Overall Diameter (mm)	5.6

Insulation

Insulation	LSZH
Insulation Colour	Black numbered cores

Outer/Jacket Specification

Jacket	LSZH
Overall Colour	Grey
Overall Diameter (mm)	5.6
Jacket Colour	Grey

Electrical Characteristics

Max Conductor DC resistance @ 20°C	39.00O/km
Rated Voltage (V)	300/500V

MORE INFORMATION:

CLASSIFICATION CRITERIA

EURO CLASS (ca:cable)	FIRE RATING 🔥	SFX COMMENT
Reaction to Fire BS EN ISO 1716		
A_ca	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet Aca, so they should only be specified with extreme caution.
Reaction to Fire BS EN 50399		
B1_ca	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.
B2_ca	Combustible, low flame spread & heat release contribution to the fire	Similar to Class Cca, although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.
C_ca	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class Dca, this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class Cca though availability is improving.
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.
Reaction to Fire BS EN 60332-1-2		
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.
F_ca	Combustible, fire spread of more than 425mm	Cables classified to Class Fca 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.

CPR GUIDE — *Securi-Flex*®

SUBCLASSIFICATIONS FOR EUROCLASSES Bca to Dca

(S) SMOKE PRODUCTION ☁	(D) FLAMING DROPLETS 💧	(A) SMOKE ACIDITY 😷
BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
s1a: s1 + transmittance >=80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds	a1: Very low acidity (conductivity <2.5 µS/mm & pH >4.3)
s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)		
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	a2: low acidity (conductivity <10 µS/mm & pH >4.3)
s2: Intermediate production & propagation of smoke		
s3: None of the above	d2: None of the above	d2: None of the above

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www.securiflex.co.uk

SFX® The Trusted Cable Brand

Classes A to E have to be tested by an independent authorised laboratory.
Most cables will fall into classes B2ca to Eca.
For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.

OUR OPERATING TEMPERATURE RANGE GUIDE

Temperature	Material
200°	SILICONE
90°	HRPVC
80°	PE & PVC
70°	LSZH
0°	
-20°	PE,PVC & HRPVC
-40°	LSZH
-60°	SILICONE

Securi-Flex®

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FLAME-FLEX   Drum-Roll   LUCKINS   epim   EDA ELECTRICAL DISTRIBUTORS' ASSOCIATION   BASEC   KNX MEMBER   cai   CPR   UKCA