BELDEN CABLE

Securi-Flex®

Belden Cable

TITLE:
OSP Overall Foil Screened Pairs LSZH

CODE:
SFX/OSP8-LSZH-GRY-1000

DESCRIPTION:
1000m OSP8 8pr 24AWG Overall Foil Screen 600V Grey LSZH (9508)

SUPPLIED AS:
Reel of 1000m

- Used for RS232 protocol and applications to include POS, computers and control equipment
- Foil provides protection against electrical interferance
- 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
- Improved performance and protection against fire

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Product Specification

25-YEAR WARRANTY

UK CA

Cable Construction

CPR	Eca
Conductor	Tinned Copper
Conductor Diameter (mm)	0.19 ±0.008 x 8(0.20mm²)
Stranded Diameter (mm)	0.22
Overall Diameter (mm)	8.40 ±0.20

Insulation

Insulation	LSZH
Insulation Colour	Red,White; 7 pairs of Black with Red,White,Green,Blue,Yellow,Brown,Orange
Insulation Resistance @20°C	>200MO/km
Insulation Thickness (mm)	0.28

Outer/Jacket Specification

Jacket	LSZH
Overall Colour	Grey
Overall Diameter (mm)	8.40 ±0.20
Jacket Colour	Grey RAL 7042
Jacket Thickness (mm)	0.70

Electrical Characteristics

Insulation Resistance @20°C	>200MO/km
Max Conductor DC resistance @ 20°C	<79.00O/km
Rated Temperature (°C)	-40°C to 70°C
Rated Voltage (V)	600V

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CONSTRUCTION PRODUCTS REGULATIONS:

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA: FIRE RATING	CLASSIFICATION CRITERIA: SFX COMMENT	CPR GUIDE — Securi-Flex®		
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES Bca to Dca		
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.	(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
$B1_{ca}$	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.	s1a: s1 + transmittance >=80% (BS EN 61034-2) s1b: s1 + transmittance >=60% <80% (BS EN 61034-2) s1: Low production of slow propagation of smoke s2: Intermediate production & propagation of smoke s3: None of the above	d0: No fall of droplets or flaming particles, times for 1200 seconds d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds d2: None of the above	a1: Very low acidity (conductivity <2.5 µS/mm & pH >4.3) a2: low acidity (conductivity <10 µS/mm & pH >4.3) d2: None of the above
$B2_{ca}$	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			Visit us online: www.securiflex.co.uk — SFX® The Trusted Cable Brand		
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.	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