



## TITLE:

OSC Overall Foil Screened Cores  
External SWA

## CODE:

SFX/OSC8-SWA-PE-BLK-1000

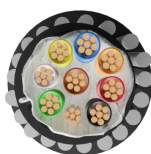
## DESCRIPTION:

1000m OSC8 8 Core 24AWG  
Overall Foil Screen SWA 600V  
Black PE (9538)

## SUPPLIED AS:

Reel of 1000m

- Additional screening makes this cable suitable to be installed in areas where protection from electrical interference is required
- Used for RS232 protocol
- Polyethylene plastic is excellent for use externally above ground or below ground inside ducting
- Provides mechanical protection against cable being pinched or pierced
- UV resistant
- Can be cut to any length required saving





## Product Specification



### Cable Construction

Cable Construction	8 Cores
CPR	Fca
Conductor	Tinned Copper
Conductor Diameter (mm)	0.20 ±0.008 x 7 (0.22mm <sup>2</sup> )
Stranded Diameter (mm)	0.22
Overall Diameter (mm)	9.60 ±0.20

### Insulation

Insulation	PVC
Insulation Colour	Red, Black, White, Green, Blue, Brown, Orange, Yellow
Insulation Resistance @20°C	>200MO/km
Insulation Thickness (mm)	0.29

### Outer/Jacket Specification

Outer Jacket	PE
Outer Jacket Colour	Black RAL 9005
Inner Jacket	PE
Inner Jacket Colour	Black RAL 9005
Inner Jacket Diameter (mm)	5.20 ±0.20
Inner Jacket Thickness (mm)	0.65
Overall Colour	Black
Overall Diameter (mm)	9.60 ±0.20
Jacket Colour	Black RAL 9005
Nylon Rip-Cord	White 210D

### Electrical Characteristics

Insulation Resistance @20°C	>200MO/km
Max Conductor DC resistance @ 20°C	<90.00O/km
Rated Temperature (°C)	-20°C to 80°C
Rated Voltage (V)	600V





**BELDEN CABLE**



Belden Cable

## CONSTRUCTION PRODUCTS REGULATIONS:

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR GUIDE	
	FIRE RATING	SFX COMMENT		
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES B <sub>ca</sub> to D <sub>ca</sub>	
<b>A<sub>ca</sub></b>	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet A <sub>ca</sub> , so they should only be specified with extreme caution.	<b>(S) SMOKE PRODUCTION</b>	<b>(D) FLAMING DROPLETS</b> <b>(A) SMOKE ACIDITY</b>
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399
<b>B1<sub>ca</sub></b>	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1 <sub>ca</sub> .	s1a: s1 + transmittance >=80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds
<b>B2<sub>ca</sub></b>	Combustible, low flame spread & heat release contribution to the fire	Similar to Class C <sub>ca</sub> , 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)	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds
<b>C<sub>ca</sub></b>	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class D <sub>ca</sub> , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C <sub>ca</sub> though availability is improving.	s1: Low production of slow propagation of smoke	a1: Very low acidity (conductivity <2.5 µS/mm & pH >4.3)
<b>D<sub>ca</sub></b>	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)
			s3: None of the above	d2: None of the above
Reaction to Fire BS EN 60332-1-2			Visit us online: <a href="http://www.securiflex.co.uk">www.securiflex.co.uk</a> The Trusted Cable Brand	
<b>E<sub>ca</sub></b>	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.	Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2 <sub>ca</sub> to E <sub>ca</sub> . For a cable to meet A <sub>ca</sub> , B1 <sub>ca</sub> , B2 <sub>ca</sub> or C <sub>ca</sub> , there also needs to be regular on-going factory audits.	
<b>F<sub>ca</sub></b>	Combustible, fire spread of more than 425mm	Cables classified to Class F <sub>ca</sub> 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.		

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enquiries@securiflex.co.uk | [www.securiflex.co.uk](http://www.securiflex.co.uk) | 03333 44 66 23

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