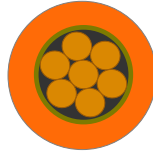


3806501	<b>DATA SHEET</b>	
Valid from: 11.08.2023	<b>ÖLFLEX® FIRE 6387 SC</b>	

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\*Illustrations are not to scale and do not represent detailed images of the respective products.

## 1. Application

Specially designed to be used in wiring applications in critical life safety systems (e.g. Building Management Systems, emergency lightings, standby power supplies, lifts & elevators) in public and industrial buildings such as airports, hotels, hospitals, subways, train stations, etc.

In areas whereby there is a need to maintain circuit integrity for prolonged period of time in a fire situation, these cables provides vital additional time to accomplish the evacuation of personnel, to contain and minimize the damage to equipment, plant and buildings, and to mount an effective fire fighting operation.

## 2. Reference Standard(s)

Based on IEC 60092-350, BS 6387, SS 299-1

## 3. Cable Construction

- 3.1. Conductor : Stranded plain annealed copper wire acc. to IEC 60228, Cl. 2
- 3.2. Fire Barrier : Layers of mica fire resistant tape
- 3.3. Core Insulation : Extruded LSHF compound
- 3.4. Insulation Colour : Orange

## 4. Technical Data

- 4.1. Rated Voltage : 0.6/1 kV
- 4.2. Test Voltage : 3.5 kV
- 4.3. Conductor Resistance : In acc. to IEC 60228
- 4.4. Min. Bending Radius : 10 x cable diameter
- 4.5. Temperature Range : -15°C to +90°C
- 4.6. Flame Retardant : In acc. to IEC 60332-1-2, IEC 60332-3-22
- 4.7. Halogen Acid Gas : In acc. to IEC 60754-1
- 4.8. Acidity and Conductivity: In acc. to IEC 60754-2
- 4.9. Smoke Density : In acc. to IEC 61034
- 4.10. EU Directive : 2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS)
- 4.11. CE Mark : Yes

## 5. Certification

TÜV SÜD PSB tested and certified acc. to BS 6387 CWZ, SS 299-1 PLS Class 1A, IEC 60332-3-22 (Cat. A)  
(applicable to part numbers marked with "\*" below)

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## 6. Dimensional Data

Part No.	Conductor cross-section mm <sup>2</sup>	Approx. Cable OD mm	Approx. Cable Wt. kg/km
<b>Single-core</b>			
3806501*	1	3.8	25
3806502*	1.5	4.1	32
3806503*	2.5	4.6	44
3806504*	4	5.3	64
3806505*	6	5.9	88
3806506*	10	6.8	131
3806507*	16	8.1	196
3806508*	25	9.4	289
3806509*	35	10.7	394
3806510*	50	12.3	545
3806511*	70	14.2	752
3806512*	95	16.0	992
3806513*	120	17.8	1243
3806514*	150	19.7	1543
3806515*	185	21.6	1889
3806516*	240	24.3	2438
3806517	300	26.9	3017

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