

# LSOH Flexible Cables

Low Voltage (300/500 V)

## 3182B, 3183B, 3184B

# Piresafe™ Flex

### Key Applications

- > Supply leads for medium duty domestic and office appliances, lighting fittings and portable appliances . Used in a wide range of public access buildings and industrial complexes where improved public safety and environmental control are desirable

### Key Features

- > Piresafe Flex is a flexible cable, which when burnt produces very low quantities of smoke and virtually no acidic gases thus safeguarding human life and protecting equipment

- > All Prysmian cables are manufactured under an ISO 9001 Quality System certified by BASEC

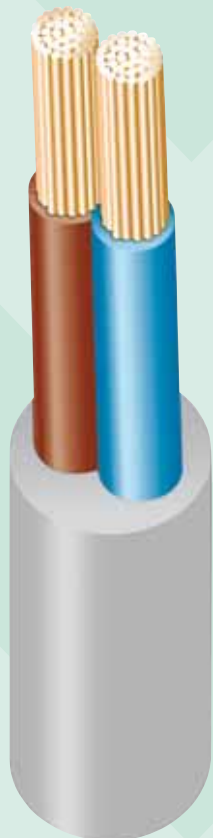
- > Plain annealed copper, flexible stranded circular conductor, complying with BS EN 60228 Class 5

- > LSOH insulation

- blue-brown
- blue-brown-green/yellow
- brown-black-grey-green/yellow

- > Flexible LSOH® sheath

- > Colour - Normally white but other colours are available on request



### Conductor

### Insulation

### Core Identification

### Sheath



**Temperature Range**  
-15 to +70°C



**Bending Radius**  
Fixed r=4D  
Flexing r=6D



**Mechanical Impact**  
Medium



**Fire Performance**  
BS EN 60332-1-2



**Flexibility**  
Flexible



**Halogen Free**  
BS EN 50267-2-1



**Low smoke emissions**  
BS EN 61034-2

# Piresafe™ Flex

## Cable Details

Nominal cross sectional area	Conceptual construction	Approximate conductor diameter	Nominal overall diameter	Approximate cable weight	Minimum bending radius (Flexing)	Maximum conductor resistance at 20°C	Current rating DC or single phase AC	Volt drop DC or single phase AC	Current rating three phase AC	Volt drop three phase AC
mm <sup>2</sup>	no./mm	mm <sup>2</sup>	mm	kg/km	mm	ohms/km	Amps	mV/A/m	Amps	mV/A/m
<b>Two Core</b>										
0.75	24/0.20	1.14	6.2	59	40	26.0	6	62	-	-
1.0	32/0.20	1.32	6.6	67	40	19.5	10	46	-	-
1.5	30/0.25	1.6	7.6	90	45	13.3	16	32	-	-
2.5	50/0.25	2.05	9.1	141	55	7.98	25	19	-	-
<b>Three Core</b>										
0.75	24/0.20	1.14	6.6	69	40	26.0	6	62	-	-
1.0	32/0.20	1.32	7	80	45	19.5	10	46	-	-
1.5	30/0.25	1.6	8.2	113	50	13.3	16	32	-	-
2.5	50/0.25	2.05	9.8	176	60	7.98	25	19	-	-
<b>Four Core</b>										
0.75	24/0.20	1.14	7.0	83	45	26.0	6	62	6	54
1.0	32/0.20	1.32	7.8	101	50	19.5	10	46	10	40
1.5	30/0.25	1.6	9.2	141	55	13.3	16	32	16	27
2.5	50/0.25	2.05	10.8	214	80	7.98	25	19	20	16

### Temperature rating factors

Ambient Temperature °C	30	35	40	45	50	55
Rating factor	1.00	0.91	0.82	0.71	0.58	0.41