



## OHLS **SAFFIRE**<sup>®</sup> 6242B

### Saffire 6242B - Flat, Twin Core Zero Halogen, Low Smoke (OHLS<sup>®</sup>)

Draka Saffire 6242B is a flat twin core OHLS<sup>®</sup> cable designed for installation as clipped direct, on tray or in basket and also buried within plaster or embedded in walls. This is a zero halogen, low smoke and flame retardant alternative to standard PVC cable. It is suited to non-emergency systems in public buildings where reduction in the volume of smoke and acid gas emissions is beneficial.



#### Construction

<b>Manufacturing standard:</b>	BS 7211
<b>Conductors:</b>	Solid or stranded plain annealed copper wire (Class 1 or Class 2) to BS EN 60228
<b>CPC:</b>	Un-insulated copper circuit protective conductor (CPC)
<b>Insulation:</b>	XLPE
<b>Sheath:</b>	Zero Halogen, Low Smoke (OHLS)
<b>Core colours:</b>	Two core: Brown and Blue Three core: Brown, Black and Grey

#### Physical characteristics

<b>Circuit integrity:</b>	300/500V
<b>Max. Conductor temp:</b>	90°C Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature (see regulation 512-1-5 of BS7671, the 17th Edition of IEE Wiring Regulations)
<b>Min. bending radius</b>	4 x overall diameter of cable (minor axis)
<b>Current rating:</b>	Refer to tables 4D5 in BS7671

#### Performance characteristics

<b>Smoke emission:</b>	BS EN 61034-2
<b>Acid gas emission:</b>	BS EN 50267-2-1
<b>Flame propagation:</b>	BS EN 60332-1-2 BS EN 60332-3-24





# Draka

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Nominal area of conductor	Insulation thickness	Sheath thickness	Nominal area of CPC	Approx. weight of cable	Approx. Overall dimensions (d x D)
mm <sup>2</sup>	mm	mm	mm <sup>2</sup>	kg/km	mm

### 6242BH 2C + CPC

1	0.6	0.9	1	70	4.5 x 8.2
1.5	0.7	0.9	1	80	4.7 x 8.6
2.5	0.8	1.0	1.5	110	5.3 x 9.9
4*	0.8	1.0	1.5	150	6.1 x 11.4
6*	0.8	1.1	2.5	210	6.8 x 13.1
10*	1.0	1.2	4*	220	8.4 x 16.8
16*	1.0	1.3	6*	475	9.6 x 19.5

### 6243BH 3C + CPC

1.5	0.7	0.9	1	110	4.7 x 11.4
2.5	0.7	1	1	150	5.3 x 12.9



Draka6242B5SAFFIRE23.092015

\*Class 2, stranded copper conductor/wire

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