



Draka

OHLS **SAFFIRE**[®] 6242B

Saffire 6242B - Flat, Twin Core Zero Halogen, Low Smoke (OHLS[®])

Draka Saffire 6242B is a flat twin core OHLS[®] 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

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

Physical characteristics

Circuit integrity:	300/500V
Max. Conductor temp:	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)
Min. bending radius	4 x overall diameter of cable (minor axis)
Current rating:	Refer to tables 4D5 in BS7671

Performance characteristics

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



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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 ²	mm	mm	mm ²	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



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*Class 2, stranded copper conductor/wire

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