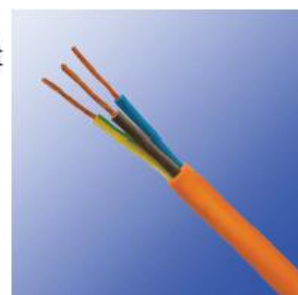
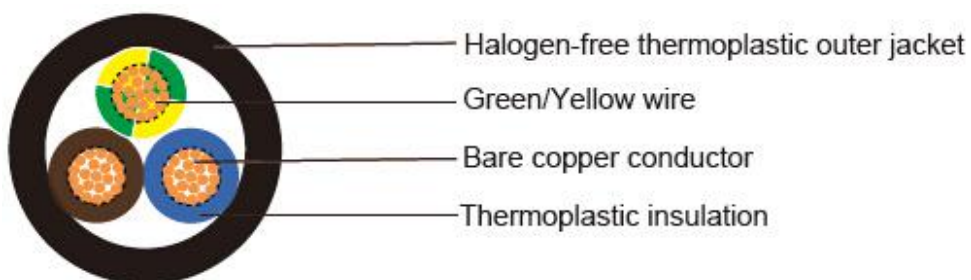


318B to BS 6500(New BS EN 50525-3-11)

Application and Description

318B to BS 6500(New BS EN 50525-3-11) cables may be used as an indoor general wiring cable primarily for installations in public areas. Examples include use on pendant lighting drops or as a general supply lead within hospital or airport projects. 318B to BS 6500(New BS EN 50525-3-11) cables are suitable for installations where fire, smoke emission and toxic fumes create a potential threat to life and equipment. 318B is equivalent to harmonized code H05Z1Z1-F.

Cable Construction



Fine bare copper strands

Stranding to BS 6360 CL-5 or IEC 60228 CL-5

Halogen-free thermoplastic TI6 core insulation

Green/Yellow grounding (3 conductors and above)

Halogen-free thermoplastic TM7 outer jacket

Core Identification

2Cores: Brown, Blue

3Cores: Brown, Blue and Green/Yellow

4Cores: Brown, Grey, Black and Green/Yellow

5Cores: Brown, Blue, Grey, Black and Green/Yellow

Technical Characteristics

Working voltage: 300/500 volts

Test voltage: 2000 volts

Flexing bending radius: 6xOverall diameter

Fixed bending radius: 4xOverall diameter

Operating temperature: -30° C to +90° C

Short circuit temperature: +160° C

- Insulation resistance: 20 MΩxkm

Halogen free acc. to EN 50267-2-1 / IEC 60754-1

Smoke density acc. to EN 50268-2 / IEC 61034-2

Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
3182B						
18(24/32)	2x0.75	0.6	0.8	6.2	14.4	58
17(32/32)	2x1	0.6	0.8	6.6	19	67
16(30/30)	2x1.5	0.7	0.8	7.4	29	87
14(50/30)	2x2.5	0.8	1.0	9.3	48	138
12(56/28)	2x4	0.8	1.1	10.6	76.8	190
3183B						
18(24/32)	3x0.75	0.6	0.8	6.6	21.6	68
17(32/32)	3x1	0.6	0.8	6.9	29	81
16(30/30)	3x1.5	0.7	0.9	8.1	43	109
14(50/30)	3x2.5	0.8	1.1	10.1	72	172
12(56/28)	3x4	0.8	1.2	11.5	115.2	242
3184B						
18(24/32)	4x0.75	0.6	0.8	7.1	29	81
17(32/32)	4x1	0.6	0.9	7.7	38	101
16(30/30)	4x1.5	0.7	1.0	9	58	117
14(50/30)	4x2.5	0.8	1.1	11	96	210
12(56/28)	4x4	0.8	1.4	12.5	153.6	298
3185B						
18(24/32)	5x0.75	0.6	0.9	8	36	102
17(32/32)	5x1	0.6	0.9	8.4	48	107
16(30/30)	5x1.5	0.7	1.1	10	72	169
14(50/30)	5x2.5	0.8	1.2	12.3	120	260
12(56/28)	5x4	0.8	1.4	14.1	192	371