

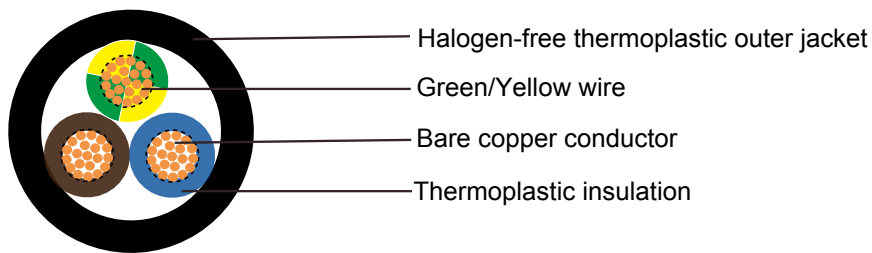


318B to BS 6500

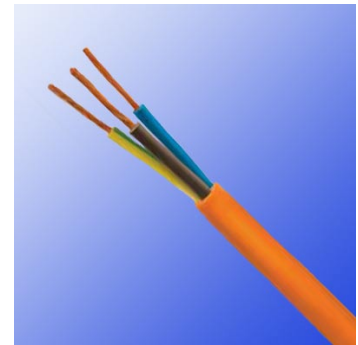
Application and Description

These 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. They 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



3183B



3183B

- Fine bare copper strands
- Stranding to BS 6360 Class 5 or IEC 60228 Class 5
- Halogen-free thermoplastic TI6 core insulation
- Green/Yellow grounding (3 conductors and above)
- Halogen-free thermoplastic TM7 outer jacket

Core Identification

- 2 Cores: Brown, Blue
- 3 Cores: Brown, Blue and Green/Yellow
- 4 Cores: Brown, Grey, Black and Green/Yellow
- 5 Cores: Brown, Blue, Grey, Black and Green/Yellow

Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 2500 volts



Industrial Cables to British Standard

- 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
- Corrosivity of gases acc. to EN 50267-2-2, IEC 60754-2
- Flame retardancy acc. to EN 50265-2-1, IEC 60332-1

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