

2491B to BS 7211(New BS EN 50525-3-41)

Application and Description

2491B to BS 7211(New BS EN 50525-3-41) flexible cable are used in panel, conduit and general fixed wiring applications where there is a requirement for flexibility during installation and in the event of fire, a need to minimize the risk from smoke and toxic fumes but where circuit integrity is not required. Not suitable for wet or immersed applications. 2491B is equivalent to harmonized code H05Z-U/H05Z-K.

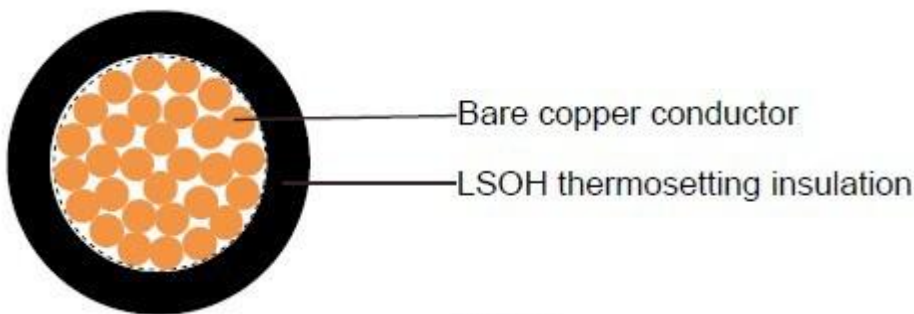
Cable Construction

Fine bare copper conductor

Solid wire to BS 6360 CL-1 or IEC 60228 CL-1

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

LSOH thermosetting core insulation type EI5



Core Identification

Green/Yellow, Black, Blue, Brown, Red, White, Yellow, Grey, Violet, Grey, Orange, Pink

Technical Characteristics

Working voltage: 300/500v

Test voltage: 2000v

Minimum bending radius: 5xOverall diameter

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Flexing temperature: -15° C to +90° C

Static temperature: -40° C to +90° C

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 Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Weight kg/km
20(solid)	1 x 0.5	0.6	2.0	4.8	8
18(solid)	1 x 0.75	0.6	2.2	7.2	12
17(solid)	1 x 1	0.6	2.3	9.6	14
20(16/32)	1 x 0.5	0.6	2.3	4.8	9
18(24/32)	1 x 0.75	0.6	2.5	7.2	12.4
17(32/32)	1 x 1	0.6	2.6	9.6	15