



## 2491B/6701B Single Core Cable

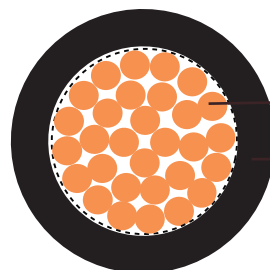
### Application and Description

2491B/6701B is equivalent to harmonized code H05Z-K/H07Z-K, these cables are designed for the internal wiring of switchboards and distributor boards with an alternating nominal voltage up to 1000 Volts or a direct voltage up to 750 volts. Generally install in pipes or ducts and internal wiring of appliances with maximum operating temperature of 90° C, and generally in areas (such as public and government buildings) where smoke and toxic fumes may cause a threat to life and equipment. The cables produce no corrosive gasses when burnt which is particularly important where electronic equipment is installed.



### Cable Construction

- Fine bare copper strands
- Strands to IEC 60228 CI-5
- Thermosetting core insulation type EI5
- LSOH - low smoke, zero halogen



Bare copper conductor

LSOH thermosetting insulation

### Insulation Colour

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

### Technical Characteristics

- Working voltage: 300/500v (2491B), 450/750v (6701B)
- Test voltage: 2000 / 2500 volts
- Minimum bending radius: 5 x Ø
- Flexing temperature: -15° C to +90° C
- Static temperature: -40° C to +90° C
- Insulation resistance: 10 MΩ x km



- Flame retardant: IEC 60332.1
- Smoke density acc. to EN 50268 / IEC 61034
- Corrosiveness of combustion gases acc. to EN 50267-2-2, IEC 60754-2
- Flame test: flame-retardant acc. to EN 50265-2-1, IEC 60332.1

## Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight	Minimum insulation resistance at 90 °C
	# x mm <sup>2</sup>	mm	mm	kg/km	kg/km	MΩ·km
2491B						
20(16/32)	1 x 0.5	0.6	2.1-2.6	4.8	9	0.013
18(24/32)	1 x 0.75	0.6	2.2-2.8	7.2	12.4	0.011
17(32/32)	1 x 1	0.6	2.4-2.9	9.6	15	0.010
6701B						
16(30/30)	1 x 1.5	0.7	2.8-3.5	14.4	24	0.010
14(50/30)	1 x 2.5	0.8	3.4-4.3	24	35	0.009
12(56/28)	1 x 4	0.8	3.9-4.9	38	51	0.007
10(84/28)	1 x 6	0.8	4.4-5.5	58	71	0.006
8(80/26)	1 x 10	1.0	5.7-7.1	96	118	0.0056
6(128/26)	1 x 16	1.0	6.7-8.4	154	180	0.0046
4(200/26)	1 x 25	1.2	8.4-10.6	240	278	0.0044
2(280/26)	1 x 35	1.2	9.7-12.1	336	375	0.0038
1(400/26)	1 x 50	1.4	11.5-14.4	480	560	0.0037
2/0(356/24)	1 x 70	1.4	13.2-16.6	672	780	0.0032
3/0(485/24)	1 x 95	1.6	15.1-18.8	912	952	0.0032
4/0(614/24)	1 x 120	1.6	16.7-20.9	1152	1200	0.0029
300 MCM (765/24)	1 x 150	1.8	18.6-23.3	1440	1505	0.0029
350 MCM (944/24)	1 x 185	2.0	20.6-25.8	1776	1845	0.0029
500MCM(1225/24)	1 x 240	2.2	23.5-29.4	2304	2400	0.0028

