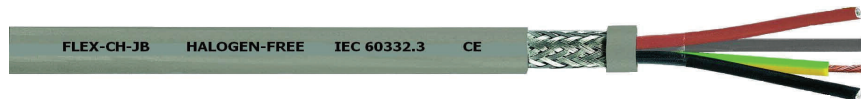


## FLEX-CH-JB Halogen-Free



**FLEX-CH-JB** is a low smoke, zero halogen, flexible, oil-resistant, overall shielded, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. The “JB” construction offers the new European VDE-0293-308 color code and a higher voltage rating. For use in flexible or stationary applications under medium mechanical stress with free movement without any tensile stress, loads or forced movements. Common applications include connections to machinery, data processing, production lines, conveyor belts, ventilation and air-conditioning systems. Found in public facilities, airports, railway stations, plant construction, steel mills, offices and in areas exposed to high risk of flame or fires. The flame retardant, halogen-free jacket gives off no corrosive gases and low smoke when exposed to fire, making **FLEX-CH-JB** suitable in areas of high risk or potential for fire. The tinned copper braid shield offers added protection against electrical and electromagnetic interference (EMI). Outdoor installation is not permitted.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special Halogen-Free core insulation
- Color code VDE-0293-308
- Separating layer
- 85% Tinned Copper Braid
- Halogen-Free outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 450/750 volts\*\*
- Test voltage: 3000 volts
- Flexing bending radius: 12.5 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -15° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: **IEC 60332.3**
- Insulation resistance: 20 MΩ x km

### Approvals:

- VDE-0245, 0250, 0281, 0282
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

\*\* Working voltage is 600/1kV for fixed or protected installations.

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>				
1831603	3	0.331" / 8.4mm	51	84
1831604	4	0.366" / 9.3mm	64	107
1831605	5	0.421" / 10.7mm	75	129
<b>14 AWG (50/30) 2,50mm<sup>2</sup></b>				
1831403	3	0.425" / 10.8mm	100	133
1831404	4	0.449" / 11.4mm	117	161
1831405	5	0.492" / 12.5mm	135	188
<b>12 AWG (56/28) 4,00mm<sup>2</sup></b>				
1831203	3	0.469" / 11.9mm	119	168
1831204	4	0.512" / 13.0mm	148	211
1831205	5	0.575" / 14.6mm	220	266
<b>10 AWG (84/28) 6,00mm<sup>2</sup></b>				
1831004	4	0.555" / 14.1mm	205	288
1831005	5	0.622" / 15.8mm	296	351
<b>8 AWG (80/26) 10,0mm<sup>2</sup></b>				
1830804	4	0.705" / 17.9mm	326	539
1830805	5	0.783" / 19.9mm	410	632
<b>6 AWG (128/26) 16,0mm<sup>2</sup></b>				
1830604	4	0.827" / 21.0mm	543	798
1830605	5	0.909" / 23.1mm	705	919
<b>4 AWG (200/26) 25,0mm<sup>2</sup></b>				
1830404	4	1.051" / 26.7mm	859	1320
1830405	5	1.169" / 29.7mm	966	1686
<b>2 AWG (280/26) 35,0mm<sup>2</sup></b>				
1830204	4	1.205" / 30.6mm	1134	1704
1830205	5	1.339" / 34.0mm	1295	2187
<b>1 AWG (400/26) 50,0mm<sup>2</sup></b>				
1830104	4	1.378" / 35.0mm	1553	2460
<b>2/0 AWG (356/24) 70,0mm<sup>2</sup></b>				
1832104	4	1.634" / 41.5mm	2026	3405
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>				
1833104	4	1.843" / 46.8mm	2692	4566
<b>4/0 AWG (614/24) 120,0mm<sup>2</sup></b>				
1834104	4	2.043" / 51.9mm	3399	5776

\* Additional sizes may be available.