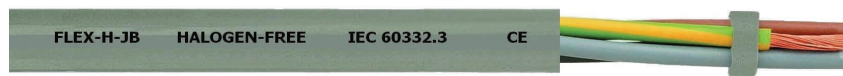


FLEX-H-JB Halogen-Free



FLEX-H-JB is a low smoke, zero halogen, flexible, oil-resistant, 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-H-JB** suitable in areas of high risk or potential for fire. 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
- Ground wire in outer layer
- 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
16 AWG (30/30) 1,50mm²				
1821603	3	0.319" / 8.1mm	29	94
1821604	4	0.350" / 8.9mm	39	107
1821605	5	0.394" / 10.0mm	48	129
14 AWG (50/30) 2,50mm²				
1821403	3	0.394" / 10.0mm	48	133
1821404	4	0.429" / 10.9mm	64	161
1821405	5	0.472" / 12.0mm	80	188
12 AWG (56/28) 4,00mm²				
1821203	3	0.453" / 11.5mm	77	168
1821204	4	0.492" / 12.5mm	103	211
1821205	5	0.551" / 14.0mm	129	266
10 AWG (84/28) 6,00mm²				
1821004	4	0.535" / 13.6mm	154	288
1821005	5	0.602" / 15.3mm	193	351
8 AWG (80/26) 10,0mm²				
1820804	4	0.685" / 17.4mm	258	539
1820805	5	0.764" / 19.4mm	322	632
6 AWG (128/26) 16,0mm²				
1820604	4	0.795" / 20.2mm	412	798
1820605	5	0.886" / 22.5mm	515	919
4 AWG (200/26) 25,0mm²				
1820404	4	0.988" / 25.1mm	644	1320
1820405	5	1.106" / 28.1mm	805	1686
2 AWG (280/26) 35,0mm²				
1820204	4	1.126" / 28.6mm	901	1704
1820205	5	1.264" / 32.1mm	1127	2187
1 AWG (400/26) 50,0mm²				
1820104	4	1.343" / 34.1mm	1288	2460
2/0 AWG (356/24) 70,0mm²				
1821104	4	1.543" / 39.2mm	1803	3405
3/0 AWG (485/24) 95,0mm²				
1823104	4	1.760" / 44.7mm	2447	4566
4/0 AWG (614/24) 120,0mm²				
1824104	4	1.980" / 50.3mm	3091	5776

* Additional sizes may be available.