

FLEX-OB Colored Cores - No Ground



FLEX-OB is our most standard PVC, flexible, oil-resistant, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. The **FLEX-OB** construction offers the new European VDE-0293-308 color code with no green/yellow ground wire. 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 and control to CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment. Found in plant engineering, paint shops, power stations and refrigeration plants. Outdoor installation is not permitted.



Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Color code VDE-0293-308
- For 6 cores and up, use **OB Full Color** chart
- No ground wire
- PVC outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

Approvals:

- VDE-0245, 0281, 0293 & 0295
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm²				
1002002	2	0.189" / 4.8mm	7	27
1002003	3	0.201" / 5.1mm	9	30
1002004	4	0.224" / 5.7mm	13	38
1002005	5	0.244" / 6.2mm	16	44
1002007	7	0.291" / 7.4mm	23	54
18 AWG (24/32) 0,75mm²				
1001802	2	0.205" / 5.2mm	9	31
1001803	3	0.217" / 5.5mm	15	36
1001804	4	0.244" / 6.2mm	19	44
1001805	5	0.268" / 6.8mm	24	54
1001807	7	0.319" / 8.1mm	34	74
17 AWG (32/32) 1,00mm²				
1001702	2	0.217" / 5.5mm	13	40
1001703	3	0.236" / 6.0mm	19	48
1001704	4	0.260" / 6.6mm	25	58
1001705	5	0.283" / 7.2mm	32	70
1001707	7	0.339" / 8.6mm	45	95
16 AWG (30/30) 1,50mm²				
1001602	2	0.248" / 6.3mm	19	47
1001603	3	0.264" / 6.7mm	29	60
1001604	4	0.287" / 7.3mm	39	73
1001605	5	0.323" / 8.2mm	48	88
1001607	7	0.386" / 9.8mm	68	123
14 AWG (50/30) 2,50mm²				
1001402	2	0.299" / 7.6mm	32	75
1001403	3	0.327" / 8.3mm	48	99
1001404	4	0.358" / 9.1mm	64	119
1001405	5	0.402" / 10.2mm	80	148
12 AWG (56/28) 4,00mm²				
1001202	2	0.362" / 9.2mm	52	131

Additional sizes may be available.