

CY-OZ Copper Shield & Black Cores



CY-OZ is an oil-resistant PVC power and control cable with a tinned copper wire braid. Suitable for fixed or flexible applications. The **CY-OZ** offers all black and numbered cores with no green/yellow ground wire. Commonly used as a measuring, regulating and control cable used in machine tool, plant engineering and construction, conveying and transport systems, assembly and production lines, air conditioning and ventilation systems and paint-spray lines. Designed for free and unrestricted movements without exposure to tensile loads. The tinned copper braid provides interference-free data and signal transmissions and greater electromagnetic protection from electrical drives and frequency converters. 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 - **No Ground Wire**
- Gray PVC inner jacket
- 85% Tinned Copper Braid
- Transparent PVC outer jacket
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

Technical:

- Working voltage: 300/500 volts
- Test voltage: 4000 volts
- Flexing bending radius: 20 x Ø
- Static bending radius: 6 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				
1322002	2	0.272" / 6.9mm	25	45
1322003	3	0.283" / 7.2mm	31	56
1322004	4	0.307" / 7.8mm	37	63
1322005	5	0.327" / 8.3mm	44	72
1322007	7	0.374" / 9.5mm	54	91
1322012	12	0.445" / 11.3mm	93	127
18 AWG (24/32) 0,75mm²				
1321802	2	0.299" / 7.6mm	29	58
1321803	3	0.307" / 7.8mm	39	66
1321804	4	0.327" / 8.3mm	43	76
1321805	5	0.358" / 9.1mm	52	87
1321807	7	0.409" / 10.4mm	68	105
1321812	12	0.492" / 12.5mm	133	147
1321818	18	0.563" / 14.3mm	163	214
17 AWG (32/32) 1,00mm²				
1321702	2	0.311" / 7.9mm	37	65
1321703	3	0.323" / 8.2mm	44	69
1321704	4	0.350" / 8.9mm	52	98
1321705	5	0.374" / 9.5mm	60	112
16 AWG (30/30) 1,50mm²				
1321602	2	0.331" / 8.4mm	42	87
1321603	3	0.354" / 9.0mm	51	102
1321604	4	0.378" / 9.6mm	64	113
1321605	5	0.413" / 10.5mm	74	135
1321607	7	0.476" / 12.1mm	99	204
14 AWG (50/30) 2,50mm²				
1321402	2	0.394" / 10.0mm	64	121
12 AWG (56/28) 4,00mm²				
1321202	2	0.457" / 11.6mm	91	203
10 AWG (84/28) 6,00mm²				
1321002	2	0.531" / 13.5mm	117	235
8 AWG (80/26) 10,0mm²				
1320802	2	0.661" / 16.8mm	178	335

* Additional sizes may be available.