

## SUPERFLEX-CY Shielded



**SUPERFLEX-CY** is a PVC, very high flex, medium-duty, oil-resistant, overall shielded, continuous flex multi-conductor data transmission cable. These cables are ideal for all areas requiring a high and fast flexing cable commonly found in automated production processes, power chains, machine industries, robotics and other highly mobile machine parts. The small cable diameters allow installation in confined operating areas. The long working life offers outstanding performance as well as economy. Found in sensor technology, computers, control devices and measurement applications. Best suited for data and signal cable for power supply chains. The tinned copper braid shield assures disturbance-free transmissions of signals and impulses with better protection against EMI. May be used in dry, damp or wet environments. Outdoor use is not permitted.



### Construction:

- Super fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special PVC core insulation
- Color code DIN-47100 without color repetition
- Textile tape wrap over cores
- 85% Tinned Copper Braid
- PVC outer jacket - gray (RAL 7001)
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 250 volts
- Test voltage: 1500 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -40° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Approvals:

- VDE-0245, 0281, 0812
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>26 AWG (18/38) 0,14mm<sup>2</sup></b>				
2112602	2	0.181" / 4.6mm	7	22
2112603	3	0.188" / 4.8mm	9	25
2112604	4	0.201" / 5.1mm	11	28
2112605	5	0.251" / 6.4mm	12	32
2112607	7	0.268" / 6.8mm	18	47
2112610	10	0.283" / 7.2mm	23	60
2112612	12	0.299" / 7.6mm	26	65
2112614	14	0.311" / 7.9mm	30	71
2112618	18	0.331" / 8.4mm	36	83
2112625	25	0.363" / 9.2mm	46	110
<b>24 AWG (32/38) 0,25mm<sup>2</sup></b>				
2112402	2	0.201" / 5.1mm	10	26
2112403	3	0.216" / 5.5mm	14	31
2112404	4	0.233" / 5.9mm	16	36
2112405	5	0.248" / 6.3mm	21	48
2112407	7	0.284" / 7.2mm	27	60
2112410	10	0.335" / 8.5mm	36	77
2112412	12	0.346" / 8.8mm	40	86
2112414	14	0.363" / 9.2mm	43	95
2112418	18	0.389" / 9.9mm	52	112
2112425	25	0.449" / 11.4mm	68	148
<b>22 AWG (42/38) 0,34mm<sup>2</sup></b>				
2112202	2	0.221" / 5.6mm	12	32
2112203	3	0.240" / 6.1mm	19	42
2112204	4	0.249" / 6.3mm	24	54
2112205	5	0.267" / 6.8mm	29	60
2112207	7	0.303" / 7.7mm	36	79
2112210	10	0.371" / 9.4mm	45	104
2112212	12	0.382" / 9.7mm	51	112
2112214	14	0.398" / 10.1mm	57	130
2112218	18	0.421" / 10.7mm	66	151
2112225	25	0.508" / 12.9mm	99	220

\* Additional sizes may be available.