

SUPERFLEX-CP-TP



SUPERFLEX-CP-TP is a polyurethane, very high flex, heavy-duty, oil-resistant, halogen-free, overall shielded, continuous flex multi-paired 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. Common applications include power chains, linear robots and automated handling equipment. Best suited for data and signal cable for power supply chains requiring high mechanical stress and extreme bending. The twisted pair design reduces crosstalk interference within the cable while the tinned copper braid shield provides disturbance-free transmissions of signals and impulses with better protection against EMI. The rugged PUR jacket adds high abrasion and tear resistance along with good chemical resistance to coolants and mineral oils. 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 CI-6
- Special polyolefin core insulation in twisted pairs
- Color code DIN-47100 for twisted pairs
- Textile tape wrap over cores
- 85% Tinned Copper Braid
- Full PUR 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: -40° C to +70° C
- Static temp: -50° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 100 MΩ x km

Approvals:

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

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
26 AWG (18/38) 0,14mm2				
2322601	1	0.177" / 4.5mm	9	15
2322602	2	0.244" / 6.2mm	13	28
2322603	3	0.256" / 6.5mm	15	36
2322604	4	0.268" / 6.8mm	18	40
2322605	5	0.287" / 7.3mm	25	50
2322606	6	0.295" / 7.5mm	33	61
2322608	8	0.346" / 8.8mm	37	73
2322610	10	0.398" / 10.1mm	40	80
24 AWG (32/38) 0,25mm2				
2322401	1	0.201" / 5.1mm	11	18
2322402	2	0.287" / 7.3mm	18	40
2322403	3	0.303" / 7.7mm	26	48
2322404	4	0.327" / 8.3mm	29	60
2322405	5	0.350" / 8.9mm	35	69
2322406	6	0.362" / 9.2mm	48	88
2322408	8	0.425" / 10.8mm	59	104
2322410	10	0.488" / 12.4mm	67	125
2322414	14	0.504" / 12.8mm	78	147
22 AWG (42/38) 0,34mm2				
2322201	1	0.220" / 5.6mm	13	24
2322202	2	0.268" / 6.8mm	28	54
2322203	3	0.343" / 8.7mm	35	68
2322204	4	0.374" / 9.5mm	40	80
2322205	5	0.398" / 10.1mm	46	91
2322206	6	0.433" / 11.0mm	58	111
2322208	8	0.480" / 12.2mm	72	148
2322210	10	0.555" / 14.1mm	88	184
2322214	14	0.571" / 14.5mm	101	204

Sizes continued on next page.

SUPERFLEX-CP-TP



SUPERFLEX-CP-TP Sizes Continued. (20 AWG & Larger)

PART NUMBER	PAIRS	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (28/34) 0,50mm²				
2322001	1	0.244" / 6.2mm	15	32
2322002	2	0.366" / 9.3mm	34	66
2322003	3	0.398" / 10.1mm	48	87
2322004	4	0.421" / 10.7mm	50	99
2322005	5	0.465" / 11.8mm	57	113
2322006	6	0.480" / 12.2mm	68	130
2322008	8	0.567" / 14.4mm	97	190
2322010	10	0.646" / 16.4mm	118	230
2322014	14	0.665" / 16.9mm	144	269
19 AWG (42/34) 0,75mm²				
2321901	1	0.260" / 6.6mm	23	41
2321902	2	0.402" / 10.2mm	40	76
2321903	3	0.429" / 10.9mm	58	106
2321904	4	0.461" / 11.7mm	63	116
2321905	5	0.500" / 12.7mm	76	136
2321906	6	0.520" / 13.2mm	87	155
2321908	8	0.618" / 15.7mm	129	230
2321910	10	0.701" / 17.8mm	173	313
2321914	14	0.736" / 18.7mm	213	366
18 AWG (56/34) 1,00mm²				
2321801	1	0.276" / 7.0mm	28	48
2321802	2	0.433" / 11.0mm	49	87
2321803	3	0.469" / 11.9mm	63	114
2321804	4	0.492" / 12.5mm	79	137
2321805	5	0.559" / 14.2mm	93	160

* Additional sizes may be available.