

SERVO-INK Non-Shielded



SERVO-INK are flexible, oil-resistant, non-shielded, UL/CSA, CE & VDE approved, orange polyurethane power supply and feedback cables all in accordance with Indramat INK® servo-motor cable standards. These highly flexible servo cables are suitable for drag chains and are found mainly in robotics, machine tools, pick & place machines, multi-axis machinery and in material handling equipment. These cables combine the supply cores with the control cores for braking functions. These cables are ideal for use in precision servomotors used in many highly automated manufacturing processes or where high-quality, reliable and long-lasting servo cables are needed.



Construction:

- Designed to Indramat INK standards
- Extra-fine bare copper strands
- Strands to VDE-0295 Class-6, IEC 60228 Cl-6
- Special thermoplastic core insulation
- Color code VDE-0293 - black & numbered
- Control cores are black with white numbers
- Four control cores twisted w/ foil & braid shield
- Ground wire in outer layer
- Polyester fiber wrapping over all inners
- Special PUR outer jacket - orange (RAL 2003)
- **Extremely oil & chemical resistant**

Technical:

- Power core voltage: 600/1000 volts
- Control core voltage: 300/500 volts
- Test power voltage: 4000 volts
- Test control voltage: 1000 volts
- Flexing bending radius: 7.5 x Ø
- Static bending radius: 4 x Ø
- Flexing temp: -40° C to +80° C
- Static temp: -50° C to +90° C
- Flame retardant: IEC 60332.1-2
- Insulation resistance: 20 MΩ x km

Approvals:

- UL AWM Style 20234
- CSA AWM II A/B, FT-1
- DESINA
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	DESCRIPTION	INDRAMAT#	NOMINAL OD	CU LBS/MFT	LBS/MFT
SERVO-MOTOR					
9600253	#18-4/c & #19-2/pr EPS*	INK-0253	0.480" / 12.2mm	63	83
9600202	#14-4/c & #18-2/pr EPS*	INK-0202	0.591" / 15.0mm	137	301
9600203	#12-4/c & SHLD #18-1/pr & SHLD #16-1pr	INK-0203	0.701" / 17.8mm	178	321
9600204	#10-4/c & SHLD #18-1/pr & SHLD #16-1/pr	INK-0204	0.709" / 18.0mm	248	435
9600205	#8-4/c & SHLD #18-1/pr & SHLD #16-1/pr	INK-0205	0.846" / 21.5mm	338	603
9600206	#6-4/c & #16-2/pr EPS*	INK-0206	1.043" / 26.5mm	474	838
9600207	#4-4/c & #16-2/pr EPS*	INK-0207	1.142" / 29.0mm	771	1117

* EPS - each pair has individual foil & tinned copper braid shield.

** **Indramat INK** part numbers are a registered trademark of Bosch Rexroth AG. (mentioned above for informational purposes only.)