



IO-LINK SENSOR CABLE

IEC 61131-9

48 orderable sizes

STANDARD IEC 61131-9	VOLTAGE CLASS 24 V DC signal / 300 V cable rating	TEMPERATURE CLASS -40 °C to +80 °C typical
CONDUCTOR 0.25 mm ² / 0.34 mm ²	INSULATION / JACKET PUR or LSZH jacket	

Construction

- 1 ■ Conductor (per core) – 0.25 mm² · 16 × Ø0.14 mm · IEC 60228 cl.5
- 2 ■ Core insulation – PVC, PP, PE or halogen-free signal insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – PUR or LSZH jacket

Size selection — all available cross-sections

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
IO-Link Shielded Sensor IO-Link M12 A-coded 3 core 0.25 mm ² Flexible installation	IO-Link	M12 A-coded	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M12 A-coded 3 core 0.25 mm ² Static installation	IO-Link	M12 A-coded	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M12 A-coded 3 core 0.34 mm ² Flexible installation	IO-Link	M12 A-coded	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M12 A-coded 3 core 0.34 mm ² Static installation	IO-Link	M12 A-coded	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M12 A-coded 4 core	IO-Link	M12 A-coded	4 core	0.25 mm ²	Overall foil and braid	PUR or LSZH

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
0.25 mm² Flexible installation					screen	jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 4 core 0.25 mm² Static installation	I0-Link	M12 A-coded	4 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 4 core 0.34 mm² Flexible installation	I0-Link	M12 A-coded	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 4 core 0.34 mm² Static installation	I0-Link	M12 A-coded	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 5 core 0.25 mm² Flexible installation	I0-Link	M12 A-coded	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 5 core 0.25 mm² Static installation	I0-Link	M12 A-coded	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 5 core 0.34 mm² Flexible installation	I0-Link	M12 A-coded	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M12 A-coded 5 core 0.34 mm² Static installation	I0-Link	M12 A-coded	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M8 4-pin 3 core 0.25 mm² Flexible installation	I0-Link	M8 4-pin	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M8 4-pin 3 core 0.25 mm² Static installation	I0-Link	M8 4-pin	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M8 4-pin 3 core 0.34 mm² Flexible installation	I0-Link	M8 4-pin	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M8 4-pin 3 core 0.34 mm² Static installation	I0-Link	M8 4-pin	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor I0-Link M8 4-pin 4 core	I0-Link	M8 4-pin	4 core	0.25 mm ²	Overall foil and braid	PUR or LSZH

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
0.25 mm² Flexible installation					screen	jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 4 core 0.25 mm² Static installation	IO-Link	M8 4-pin	4 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 4 core 0.34 mm² Flexible installation	IO-Link	M8 4-pin	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 4 core 0.34 mm² Static installation	IO-Link	M8 4-pin	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 5 core 0.25 mm² Flexible installation	IO-Link	M8 4-pin	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 5 core 0.25 mm² Static installation	IO-Link	M8 4-pin	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 5 core 0.34 mm² Flexible installation	IO-Link	M8 4-pin	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor IO-Link M8 4-pin 5 core 0.34 mm² Static installation	IO-Link	M8 4-pin	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M12 A-coded 3 core 0.25 mm² Flexible installation	Digital sensor signal	M12 A-coded	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M12 A-coded 3 core 0.25 mm² Static installation	Digital sensor signal	M12 A-coded	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M12 A-coded 3 core 0.34 mm² Flexible installation	Digital sensor signal	M12 A-coded	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M12 A-coded 3 core 0.34 mm² Static installation	Digital sensor signal	M12 A-coded	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M12	Digital sensor	M12 A-coded	4 core	0.25 mm ²	Overall foil and braid	PUR or LSZH

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
A-coded 4 core 0.25 mm ² Flexible installation	signal				screen	jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 4 core 0.25 mm ² Static installation	Digital sensor signal	M12 A-coded	4 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 4 core 0.34 mm ² Flexible installation	Digital sensor signal	M12 A-coded	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 4 core 0.34 mm ² Static installation	Digital sensor signal	M12 A-coded	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 5 core 0.25 mm ² Flexible installation	Digital sensor signal	M12 A-coded	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 5 core 0.25 mm ² Static installation	Digital sensor signal	M12 A-coded	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 5 core 0.34 mm ² Flexible installation	Digital sensor signal	M12 A-coded	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M12 A-coded 5 core 0.34 mm ² Static installation	Digital sensor signal	M12 A-coded	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M8 4-pin 3 core 0.25 mm ² Flexible installation	Digital sensor signal	M8 4-pin	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M8 4-pin 3 core 0.25 mm ² Static installation	Digital sensor signal	M8 4-pin	3 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M8 4-pin 3 core 0.34 mm ² Flexible installation	Digital sensor signal	M8 4-pin	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M8 4-pin 3 core 0.34 mm ² Static installation	Digital sensor signal	M8 4-pin	3 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
I0-Link Shielded Sensor Digital sensor signal M8	Digital sensor	M8 4-pin	4 core	0.25 mm ²	Overall foil and braid	PUR or LSZH

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
4-pin 4 core 0.25 mm ² Flexible installation	signal				screen	jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 4 core 0.25 mm ² Static installation	Digital sensor signal	M8 4-pin	4 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 4 core 0.34 mm ² Flexible installation	Digital sensor signal	M8 4-pin	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 4 core 0.34 mm ² Static installation	Digital sensor signal	M8 4-pin	4 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 5 core 0.25 mm ² Flexible installation	Digital sensor signal	M8 4-pin	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 5 core 0.25 mm ² Static installation	Digital sensor signal	M8 4-pin	5 core	0.25 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 5 core 0.34 mm ² Flexible installation	Digital sensor signal	M8 4-pin	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket
IO-Link Shielded Sensor Digital sensor signal M8 4-pin 5 core 0.34 mm ² Static installation	Digital sensor signal	M8 4-pin	5 core	0.34 mm ²	Overall foil and braid screen	PUR or LSZH jacket