



ROBOTIC SENSOR CABLE

UL 758

48 orderable sizes

STANDARD UL 758	VOLTAGE CLASS 300 V signal circuit	TEMPERATURE CLASS -40 °C to +80 °C dynamic
CONDUCTOR 0.25 mm ² / 0.34 mm ²	INSULATION / JACKET Torsion-rated PUR or TPE 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 – Torsion-rated PUR or TPE jacket

Size selection — all available cross-sections

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
Robotic Sensor Sensor signal M8/M12 robotic assemblies 4 core 0.25 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Sensor signal M8/M12 robotic assemblies 4 core 0.25 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Sensor signal M8/M12 robotic assemblies 4 core 0.34 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Sensor signal M8/M12 robotic assemblies 4 core 0.34 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
Robotic Sensor signal M8/M12 robotic assemblies 8 core 0.25 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 8 core 0.25 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 8 core 0.34 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 8 core 0.34 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 12 core 0.25 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 12 core 0.25 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 12 core 0.34 mm ² Robot arm motion	Sensor signal	M8/M12 robotic assemblies	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal M8/M12 robotic assemblies 12 core 0.34 mm ² Torsion duty	Sensor signal	M8/M12 robotic assemblies	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 4 core 0.25 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 4 core 0.25 mm ² Torsion duty	Sensor signal	Bulk robotic cable	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 4 core 0.34 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 4 core 0.34 mm ² Torsion duty	Sensor signal	Bulk robotic cable	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
Robotic Sensor signal Bulk robotic cable 8 core 0.25 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 8 core 0.25 mm ² Torsion duty	Sensor signal	Bulk robotic cable	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 8 core 0.34 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 8 core 0.34 mm ² Torsion duty	Sensor signal	Bulk robotic cable	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 12 core 0.25 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 12 core 0.25 mm ² Torsion duty	Sensor signal	Bulk robotic cable	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 12 core 0.34 mm ² Robot arm motion	Sensor signal	Bulk robotic cable	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor signal Bulk robotic cable 12 core 0.34 mm ² Torsion duty	Sensor signal	Bulk robotic cable	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 4 core 0.25 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 4 core 0.25 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 4 core 0.34 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 4 core 0.34 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 8 core 0.25 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 8 core 0.25 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 8 core 0.34 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 8 core 0.34 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 12 core 0.25 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 12 core 0.25 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 12 core 0.34 mm ² Robot arm motion	Feedback signal	M8/M12 robotic assemblies	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal M8/M12 robotic assemblies 12 core 0.34 mm ² Torsion duty	Feedback signal	M8/M12 robotic assemblies	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 4 core 0.25 mm ² Robot arm motion	Feedback signal	Bulk robotic cable	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 4 core 0.25 mm ² Torsion duty	Feedback signal	Bulk robotic cable	4 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 4 core 0.34 mm ² Robot arm motion	Feedback signal	Bulk robotic cable	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 4 core 0.34 mm ² Torsion duty	Feedback signal	Bulk robotic cable	4 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket

Cable reference	Signal type	Connector family	Core / pair design	Conductor	Shielding	Jacket
Robotic Sensor Feedback signal Bulk robotic cable 8 core 0.25 mm² Robot arm motion	Feedback signal	Bulk robotic cable	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 8 core 0.25 mm² Torsion duty	Feedback signal	Bulk robotic cable	8 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 8 core 0.34 mm² Robot arm motion	Feedback signal	Bulk robotic cable	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 8 core 0.34 mm² Torsion duty	Feedback signal	Bulk robotic cable	8 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 12 core 0.25 mm² Robot arm motion	Feedback signal	Bulk robotic cable	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 12 core 0.25 mm² Torsion duty	Feedback signal	Bulk robotic cable	12 core	0.25 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 12 core 0.34 mm² Robot arm motion	Feedback signal	Bulk robotic cable	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket
Robotic Sensor Feedback signal Bulk robotic cable 12 core 0.34 mm² Torsion duty	Feedback signal	Bulk robotic cable	12 core	0.34 mm ²	Flexible braid screen option	Torsion-rated PUR or TPE jacket