



CONTINUOUS-FLEX CONTROL CABLE

UL 758

42 orderable sizes

STANDARD UL 758	VOLTAGE CLASS 300/500 V	CONDUCTOR Fine-stranded flexible copper conductor
INSULATION / JACKET PUR low-adhesion abrasion resistant jacket		

Construction

- 1 **Conductor (per core)** – Fine-stranded flexible copper conductor · 30 × Ø0.25 mm · IEC 60228 cl.5
- 2 **Core insulation** – High-flex PVC or TPE control-core insulation
- 3 **Filler** – PP filler
- 4 **Shield** – Braid shield (C)
- 5 **Sheath** – PUR low-adhesion abrasion resistant jacket

Size selection — all available cross-sections

Cable reference	Motion class	Cable use	Core design	Conductor size	Cycle guide	Bend radius	OD guide
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 0.5 mm ²	Linear drag-chain duty	Control circuits	3 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	11.5 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 0.75 mm ²	Linear drag-chain duty	Control circuits	3 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	11.8 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 1.0 mm ²	Linear drag-chain duty	Control circuits	3 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.1 mm

Cable reference	Motion class	Cable use	Core design	Conductor size	Cycle guide	Bend radius	OD guide
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 1.5 mm ²	Linear drag-chain duty	Control circuits	3 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.6 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 2.5 mm ²	Linear drag-chain duty	Control circuits	3 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.4 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 3 core 4 mm ²	Linear drag-chain duty	Control circuits	3 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.4 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 0.5 mm ²	Linear drag-chain duty	Control circuits	4 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	11.9 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 0.75 mm ²	Linear drag-chain duty	Control circuits	4 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 1.0 mm ²	Linear drag-chain duty	Control circuits	4 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.6 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 1.5 mm ²	Linear drag-chain duty	Control circuits	4 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.1 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 2.5 mm ²	Linear drag-chain duty	Control circuits	4 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.9 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 4 core 4 mm ²	Linear drag-chain duty	Control circuits	4 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.8 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 0.5 mm ²	Linear drag-chain duty	Control circuits	5 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.3 mm

Cable reference	Motion class	Cable use	Core design	Conductor size	Cycle guide	Bend radius	OD guide
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 0.75 mm ²	Linear drag-chain duty	Control circuits	5 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.6 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 1.0 mm ²	Linear drag-chain duty	Control circuits	5 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.9 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 1.5 mm ²	Linear drag-chain duty	Control circuits	5 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.4 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 2.5 mm ²	Linear drag-chain duty	Control circuits	5 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 5 core 4 mm ²	Linear drag-chain duty	Control circuits	5 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	15.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 0.5 mm ²	Linear drag-chain duty	Control circuits	7 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	12.9 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 0.75 mm ²	Linear drag-chain duty	Control circuits	7 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 1.0 mm ²	Linear drag-chain duty	Control circuits	7 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	13.6 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 1.5 mm ²	Linear drag-chain duty	Control circuits	7 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.1 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 2.5 mm ²	Linear drag-chain duty	Control circuits	7 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.9 mm

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PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 7 core 4 mm ²	Linear drag-chain duty	Control circuits	7 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	15.8 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 0.5 mm ²	Linear drag-chain duty	Control circuits	12 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 0.75 mm ²	Linear drag-chain duty	Control circuits	12 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.5 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 1.0 mm ²	Linear drag-chain duty	Control circuits	12 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	14.8 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 1.5 mm ²	Linear drag-chain duty	Control circuits	12 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	15.3 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 2.5 mm ²	Linear drag-chain duty	Control circuits	12 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	16.1 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 12 core 4 mm ²	Linear drag-chain duty	Control circuits	12 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	17.1 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 0.5 mm ²	Linear drag-chain duty	Control circuits	18 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	15.4 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 0.75 mm ²	Linear drag-chain duty	Control circuits	18 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	15.7 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 1.0 mm ²	Linear drag-chain duty	Control circuits	18 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	16.0 mm

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PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 1.5 mm ²	Linear drag-chain duty	Control circuits	18 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	16.5 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 2.5 mm ²	Linear drag-chain duty	Control circuits	18 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	17.3 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 18 core 4 mm ²	Linear drag-chain duty	Control circuits	18 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	18.3 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 0.5 mm ²	Linear drag-chain duty	Control circuits	25 core	0.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	16.5 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 0.75 mm ²	Linear drag-chain duty	Control circuits	25 core	0.75 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	16.9 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 1.0 mm ²	Linear drag-chain duty	Control circuits	25 core	1.0 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	17.2 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 1.5 mm ²	Linear drag-chain duty	Control circuits	25 core	1.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	17.7 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 2.5 mm ²	Linear drag-chain duty	Control circuits	25 core	2.5 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	18.5 mm
PUR continuous flex control cable 300/500 V Linear drag-chain duty Control circuits 25 core 4 mm ²	Linear drag-chain duty	Control circuits	25 core	4 mm ²	Up to 10 million cycles guide	7.5 x OD dynamic / 4 x OD fixed	19.4 mm