



HYBRID SERVO MOTOR CABLE

UL 758

15 orderable sizes

STANDARD UL 758	VOLTAGE CLASS 1000 V power / 300 V signal	CONDUCTOR Fine-stranded flexible copper conductor
INSULATION / JACKET PUR oil and abrasion resistant jacket		

Construction

- 1 ■ Conductor (per core) – Fine-stranded flexible copper conductor · 50 × Ø0.25 mm · IEC 60228 cl.5
- 2 ■ Core insulation – TPE power-core and signal-core insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – PUR oil and abrasion resistant jacket

Size selection — all available cross-sections

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 brake cores + feedback pair 1.5 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	4 power cores + 2 brake cores + feedback pair	1.5 mm ²	12.7	Individual signal pair screens with overall tinned copper braid screen	16.1 mm
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 brake cores + feedback pair 2.5 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	4 power cores + 2 brake cores + feedback pair	2.5 mm ²	7.6	Individual signal pair screens with overall tinned copper braid screen	16.9 mm
Hybrid servo power brake feedback cable	Hybrid servo	Power, brake and	4 power cores + 2	4 mm ²	4.7	Individual signal pair	17.8 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 brake cores + feedback pair 4 mm ²	connection	feedback in one cable	brake cores + feedback pair			screens with overall tinned copper braid screen	
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 brake cores + feedback pair 6 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	4 power cores + 2 brake cores + feedback pair	6 mm ²	3.1	Individual signal pair screens with overall tinned copper braid screen	18.7 mm
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 brake cores + feedback pair 10 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	4 power cores + 2 brake cores + feedback pair	10 mm ²	1.83	Individual signal pair screens with overall tinned copper braid screen	20.2 mm
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 4 power cores + 2 signal pairs 1.5 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	4 power cores + 2 signal pairs	1.5 mm ²	12.7	Individual signal pair screens with overall tinned copper braid screen	16.1 mm
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Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 3 power cores + 2 data pairs 1.5 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	3 power cores + 2 data pairs	1.5 mm ²	12.7	Individual signal pair screens with overall tinned copper braid screen	15.8 mm
Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 3 power cores + 2 data pairs 2.5 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	3 power cores + 2 data pairs	2.5 mm ²	7.6	Individual signal pair screens with overall tinned copper braid screen	16.6 mm
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Hybrid servo power brake feedback cable 1000 V power / 300 V signal Power, brake and feedback in one cable 3 power cores + 2 data pairs 10 mm ²	Hybrid servo connection	Power, brake and feedback in one cable	3 power cores + 2 data pairs	10 mm ²	1.83	Individual signal pair screens with overall tinned copper braid screen	19.9 mm