



ONE-CABLE SERVO HYBRID CABLE

UL 758

15 orderable sizes

STANDARD UL 758	VOLTAGE CLASS 1000 V power / 30 V digital feedback	CONDUCTOR Fine-stranded flexible copper conductor
INSULATION / JACKET PUR high-flex hybrid cable 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 digital feedback-core insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Braid shield (C)
- 5 ■ **Sheath** – PUR high-flex hybrid cable 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
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + digital feedback pair 1.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + digital feedback pair	1.5 mm ²	12.7	Digital feedback pair screen plus overall tinned copper braid screen	15.9 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + digital feedback pair 2.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + digital feedback pair	2.5 mm ²	7.6	Digital feedback pair screen plus overall tinned copper braid screen	16.6 mm
Single cable servo hybrid OCT cable 1000	One-cable	Power, brake and	4 power cores +	4 mm ²	4.7	Digital feedback pair	17.5 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + digital feedback pair 4 mm ²	servo hybrid	digital feedback in one cable	digital feedback pair			screen plus overall tinned copper braid screen	
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + digital feedback pair 6 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + digital feedback pair	6 mm ²	3.1	Digital feedback pair screen plus overall tinned copper braid screen	18.4 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + digital feedback pair 10 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + digital feedback pair	10 mm ²	1.83	Digital feedback pair screen plus overall tinned copper braid screen	19.9 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + brake pair + digital feedback pair 1.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + brake pair + digital feedback pair	1.5 mm ²	12.7	Digital feedback pair screen plus overall tinned copper braid screen	15.9 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + brake pair + digital feedback pair 2.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + brake pair + digital feedback pair	2.5 mm ²	7.6	Digital feedback pair screen plus overall tinned copper braid screen	16.6 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + brake pair + digital feedback pair 4 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + brake pair + digital feedback pair	4 mm ²	4.7	Digital feedback pair screen plus overall tinned copper braid screen	17.5 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital	One-cable	Power, brake and digital	4 power cores + brake pair	6 mm ²	3.1	Digital feedback pair screen plus	18.4 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
feedback Power, brake and digital feedback in one cable 4 power cores + brake pair + digital feedback pair 6 mm ²	servo hybrid	feedback in one cable	+ digital feedback pair			overall tinned copper braid screen	
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 4 power cores + brake pair + digital feedback pair 10 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	4 power cores + brake pair + digital feedback pair	10 mm ²	1.83	Digital feedback pair screen plus overall tinned copper braid screen	19.9 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 3 power cores + PE + digital feedback pair 1.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	3 power cores + PE + digital feedback pair	1.5 mm ²	12.7	Digital feedback pair screen plus overall tinned copper braid screen	15.5 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 3 power cores + PE + digital feedback pair 2.5 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	3 power cores + PE + digital feedback pair	2.5 mm ²	7.6	Digital feedback pair screen plus overall tinned copper braid screen	16.2 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 3 power cores + PE + digital feedback pair 4 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	3 power cores + PE + digital feedback pair	4 mm ²	4.7	Digital feedback pair screen plus overall tinned copper braid screen	17.1 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback in one cable 3 power cores + PE + digital feedback pair 6 mm ²	One-cable servo hybrid	Power, brake and digital feedback in one cable	3 power cores + PE + digital feedback pair	6 mm ²	3.1	Digital feedback pair screen plus overall tinned copper braid screen	18.0 mm
Single cable servo hybrid OCT cable 1000 V power / 30 V digital feedback Power, brake and digital feedback	One-cable servo hybrid	Power, brake and digital feedback in one cable	3 power cores + PE + digital feedback pair	10 mm ²	1.83	Digital feedback pair screen plus overall	19.5 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
in one cable 3 power cores + PE + digital feedback pair 10 mm ²						tinned copper braid screen	

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