



SHIELDED ENCODER AND FEEDBACK CABLE

UL 758

16 orderable sizes

STANDARD UL 758	VOLTAGE CLASS 30 V / 300 V signal	CONDUCTOR Fine-stranded flexible copper conductor
INSULATION / JACKET PUR signal cable jacket		

Construction

- 1 ■ Conductor (per core) – Fine-stranded flexible copper conductor · 16 × Ø0.14 mm · IEC 60228 cl.5
- 2 ■ Pair insulation – PP or TPE signal-core insulation
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Sheath – PUR signal 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
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 4 pair AWG26/7	Feedback and encoder signal	Position feedback and encoder signal transmission	4 pair	AWG26/7	143	Pair screen with overall tinned copper braid screen	22.3 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 4 pair AWG24/7	Feedback and encoder signal	Position feedback and encoder signal transmission	4 pair	AWG24/7	91	Pair screen with overall tinned copper braid screen	21.8 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder	Feedback and encoder signal	Position feedback and encoder signal transmission	4 pair	0.25 mm ²	79.0	Pair screen with overall tinned copper braid screen	12.6 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
signal transmission 4 pair 0.25 mm ²							
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 4 pair 0.34 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	4 pair	0.34 mm ²	57.0	Pair screen with overall tinned copper braid screen	12.8 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 6 pair AWG26/7	Feedback and encoder signal	Position feedback and encoder signal transmission	6 pair	AWG26/7	143	Pair screen with overall tinned copper braid screen	23.2 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 6 pair AWG24/7	Feedback and encoder signal	Position feedback and encoder signal transmission	6 pair	AWG24/7	91	Pair screen with overall tinned copper braid screen	22.8 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 6 pair 0.25 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	6 pair	0.25 mm ²	79.0	Pair screen with overall tinned copper braid screen	13.5 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 6 pair 0.34 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	6 pair	0.34 mm ²	57.0	Pair screen with overall tinned copper braid screen	13.7 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 8 pair AWG26/7	Feedback and encoder signal	Position feedback and encoder signal transmission	8 pair	AWG26/7	143	Pair screen with overall tinned copper braid screen	24.0 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 8 pair AWG24/7	Feedback and encoder signal	Position feedback and encoder signal transmission	8 pair	AWG24/7	91	Pair screen with overall tinned copper braid screen	23.6 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 8 pair 0.25 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	8 pair	0.25 mm ²	79.0	Pair screen with overall tinned copper braid screen	14.4 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 8 pair 0.34 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	8 pair	0.34 mm ²	57.0	Pair screen with overall tinned copper braid screen	14.5 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 12 core + 2 pair AWG26/7	Feedback and encoder signal	Position feedback and encoder signal transmission	12 core + 2 pair	AWG26/7	143	Pair screen with overall tinned copper braid screen	24.0 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 12 core + 2 pair AWG24/7	Feedback and encoder signal	Position feedback and encoder signal transmission	12 core + 2 pair	AWG24/7	91	Pair screen with overall tinned copper braid screen	23.6 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 12 core + 2 pair 0.25 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	12 core + 2 pair	0.25 mm ²	79.0	Pair screen with overall tinned copper braid screen	14.4 mm
Servo feedback encoder cable 30 V / 300 V signal Position feedback and encoder signal transmission 12 core + 2 pair 0.34 mm ²	Feedback and encoder signal	Position feedback and encoder signal transmission	12 core + 2 pair	0.34 mm ²	57.0	Pair screen with overall tinned copper braid screen	14.5 mm