



RESOLVER AND TRANSMISSION SIGNAL CABLE

UL 758

9 orderable sizes

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

Construction

- 1 ■ Conductor (per core) – Fine-stranded flexible copper conductor · 16 × Ø0.2 mm · IEC 60228 c1.5
- 2 ■ Pair insulation – 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 flexible 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 resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 3 pair AWG24/7	Resolver and transmission signal	Resolver feedback and control pulse transmission	3 pair	AWG24/7	91	Pair screen plus overall tinned copper braid screen	21.3 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 3 pair 0.34 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	3 pair	0.34 mm ²	57.0	Pair screen plus overall tinned copper braid screen	12.2 mm

Cable reference	Service class	Drive function	Core / pair design	Power / signal size	Max DC resistance at 20 °C	Shielding	OD guide
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 3 pair 0.5 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	3 pair	0.5 mm ²	39.0	Pair screen plus overall tinned copper braid screen	12.5 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 4 pair AWG24/7	Resolver and transmission signal	Resolver feedback and control pulse transmission	4 pair	AWG24/7	91	Pair screen plus overall tinned copper braid screen	21.8 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 4 pair 0.34 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	4 pair	0.34 mm ²	57.0	Pair screen plus overall tinned copper braid screen	12.8 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 4 pair 0.5 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	4 pair	0.5 mm ²	39.0	Pair screen plus overall tinned copper braid screen	13.0 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 6 core + 3 pair AWG24/7	Resolver and transmission signal	Resolver feedback and control pulse transmission	6 core + 3 pair	AWG24/7	91	Pair screen plus overall tinned copper braid screen	22.8 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 6 core + 3 pair 0.34 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	6 core + 3 pair	0.34 mm ²	57.0	Pair screen plus overall tinned copper braid screen	13.7 mm
Servo resolver transmission cable 300 V signal Resolver feedback and control pulse transmission 6 core + 3 pair 0.5 mm ²	Resolver and transmission signal	Resolver feedback and control pulse transmission	6 core + 3 pair	0.5 mm ²	39.0	Pair screen plus overall tinned copper braid screen	14.0 mm