



SERVO POWER TORSION CABLE

Servo drive torsion cable reference

8 orderable sizes

STANDARD Servo drive torsion cable reference	VOLTAGE CLASS 0.6/1 kV power plus signal elements	TEMPERATURE CLASS -30 °C to +80 °C moving route guide
CONDUCTOR 1.5 mm ² , 2.5 mm ² , 4 mm ² , 6 mm ²	INSULATION / JACKET High-flex PUR servo jacket	

Construction

- 1 Conductor (per core) – Class 6 fine-stranded bare copper power conductor · 30 × Ø0.25 mm · IEC 60228 cl.5
- 2 Core insulation – Flexible core insulation selected by motion duty
- 3 Filler – PP filler
- 4 Shield – Braid shield (C)
- 5 Sheath – High-flex PUR servo jacket

Size selection — all available cross-sections

Cable reference	Motion duty	Cable function	Voltage class	Element design	Conductor / element size	Conductor construction	Screen / protection	Jacket	Torsion rating	Temperature class	OD guide	Weight guide
Robot servo torsion cable 4 core + 2 brake cores 1.5 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + 2 brake cores	1.5 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	14.4 mm	239 kg/km
Robot servo torsion cable 4 core + 2 brake cores 2.5 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + 2 brake cores	2.5 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	15.1 mm	315 kg/km
Robot servo torsion cable 4 core + 2 brake cores 4 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + 2 brake cores	4 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	16.0 mm	429 kg/km
Robot servo torsion cable 4 core + 2 brake cores 6 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + 2 brake cores	6 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	16.9 mm	581 kg/km
Robot servo torsion cable 4 core + brake + feedback pair 1.5 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + brake + feedback pair	1.5 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	15.8 mm	353 kg/km
Robot servo torsion cable 4 core + brake + feedback pair 2.5 mm ²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + brake + feedback pair	2.5 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	16.5 mm	505 kg/km
Robot servo torsion cable 4 core + brake + feedback pair 4 mm ²	Robotic torsion and servo-	Servo power, brake and	0.6/1 kV power plus	4 core + brake + feedback pair	4 mm ²	Class 6 fine-stranded bare copper	Overall tinned copper	High-flex PUR	Up to +/- 270 degrees	-30 °C to +80 °C moving route guide	17.4 mm	733 kg/km

Cable reference	Motion duty	Cable function	Voltage class	Element design	Conductor / element size	Conductor construction	Screen / protection	Jacket	Torsion rating	Temperature class	OD guide	Weight guide
	axis movement	feedback connection	signal elements			power conductor	braid EMC screen	servo jacket	per 0.5 m guide			
Robot servo torsion cable 4 core + brake + feedback pair 6 mm²	Robotic torsion and servo-axis movement	Servo power, brake and feedback connection	0.6/1 kV power plus signal elements	4 core + brake + feedback pair	6 mm ²	Class 6 fine-stranded bare copper power conductor	Overall tinned copper braid EMC screen	High-flex PUR servo jacket	Up to +/- 270 degrees per 0.5 m guide	-30 °C to +80 °C moving route guide	18.4 mm	1037 kg/km