



ROBOT DRESSPACK TORSION CABLE

Robot welding cable reference

6 orderable sizes

STANDARD Robot welding cable reference	VOLTAGE CLASS 300/500 V to 0.6/1 kV hybrid circuits	TEMPERATURE CLASS -30 °C to +90 °C welding cell route guide
CONDUCTOR 0.75 mm ² , 1.5 mm ² , 2.5 mm ²	INSULATION / JACKET Weld-splash and abrasion resistant PUR jacket	

Construction

- 1 **Conductor** – Fine-stranded bare copper hybrid conductor set · 24 × Ø0.2 mm · IEC 60228 cl.5
- 2 **Insulation** – Flexible core insulation selected by motion duty
- 3 **Shield** – Braid shield (C)
- 4 **Sheath** – Weld-splash and abrasion resistant PUR 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
Welding robot dresspack torsion cable hybrid power/control 0.75 mm ²	Welding robot dresspack torsion and flexing	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/control	0.75 mm ²	Fine-stranded bare copper hybrid conductor set	Hybrid lay with abrasion resistant fillers and optional EMC screen	Weld-splash and abrasion resistant PUR jacket	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	15.0 mm	239 kg/km
Welding robot dresspack torsion cable hybrid power/control 1.5 mm ²	Welding robot dresspack torsion and flexing	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/control	1.5 mm ²	Fine-stranded bare copper hybrid conductor set	Hybrid lay with abrasion resistant fillers and optional EMC screen	Weld-splash and abrasion resistant PUR jacket	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	15.8 mm	353 kg/km
Welding robot dresspack torsion cable hybrid power/control 2.5 mm ²	Welding robot dresspack torsion and flexing	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/control	2.5 mm ²	Fine-stranded bare copper hybrid conductor set	Hybrid lay with abrasion resistant fillers and optional EMC screen	Weld-splash and abrasion resistant PUR jacket	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	16.5 mm	505 kg/km
Welding robot dresspack torsion cable hybrid power/data 0.75 mm ²	Welding robot dresspack torsion and flexing	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/data	0.75 mm ²	Fine-stranded bare copper hybrid conductor set	Hybrid lay with abrasion resistant fillers and optional EMC screen	Weld-splash and abrasion resistant PUR jacket	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	15.0 mm	239 kg/km
Welding robot dresspack torsion cable hybrid power/data 1.5 mm ²	Welding robot dresspack torsion and flexing	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/data	1.5 mm ²	Fine-stranded bare copper hybrid conductor set	Hybrid lay with abrasion resistant fillers and optional EMC screen	Weld-splash and abrasion resistant PUR jacket	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	15.8 mm	353 kg/km
Welding robot dresspack torsion cable hybrid power/data 2.5 mm ²	Welding robot dresspack torsion	Hybrid power, control and sensor circuits	300/500 V to 0.6/1 kV hybrid circuits	hybrid power/data	2.5 mm ²	Fine-stranded bare copper hybrid	Hybrid lay with abrasion resistant fillers	Weld-splash and abrasion resistant	Up to +/- 360 degrees per 0.5 m guide	-30 °C to +90 °C welding cell route guide	16.5 mm	505 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
	and flexing	sensor circuits				conductor set	and optional EMC screen	PUR jacket				