



ROBOT ETHERNET TORSION CABLE

ISO/IEC 11801 / IEC 61156 reference

4 orderable sizes

STANDARD <b>ISO/IEC 11801 / IEC 61156 reference</b>	VOLTAGE CLASS <b>Data transmission circuit</b>	TEMPERATURE CLASS <b>-30 °C to +80 °C moving route guide</b>
CONDUCTOR <b>AWG26, AWG24</b>	INSULATION / JACKET <b>Industrial PUR Ethernet jacket</b>	

Construction

- 1  **Conductor (per core)** – Fine-stranded tinned copper Ethernet conductor · 16 × Ø0.13 mm · IEC 60228 cl.5
- 2  **Pair insulation** – Flexible core insulation selected by motion duty
- 3  **Individual screen (IS)** – Al/polyester foil + tinned-copper drain
- 4  **Filler** – Bedding / filler
- 5  **Overall screen (OS)** – Al/polyester foil + drain
- 6  **Sheath** – Industrial PUR Ethernet 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
<b>Torsion industrial Ethernet cable 2 pair AWG26</b>	Robotic torsion for Ethernet and industrial network links	Ethernet, PROFINET or machine-network data	Data transmission circuit	2 pair	AWG26	Fine-stranded tinned copper Ethernet conductor	Pair screen plus overall braid EMC screen	Industrial PUR Ethernet jacket	Up to +/- 180 degrees per 1 m guide	-30 °C to +80 °C moving route guide	22.5 mm	2101 kg/km
<b>Torsion industrial Ethernet cable 2 pair AWG24</b>	Robotic torsion for Ethernet and industrial network links	Ethernet, PROFINET or machine-network data	Data transmission circuit	2 pair	AWG24	Fine-stranded tinned copper Ethernet conductor	Pair screen plus overall braid EMC screen	Industrial PUR Ethernet jacket	Up to +/- 180 degrees per 1 m guide	-30 °C to +80 °C moving route guide	22.1 mm	1949 kg/km
<b>Torsion industrial Ethernet cable 4 pair AWG26</b>	Robotic torsion for Ethernet and industrial network links	Ethernet, PROFINET or machine-network data	Data transmission circuit	4 pair	AWG26	Fine-stranded tinned copper Ethernet conductor	Pair screen plus overall braid EMC screen	Industrial PUR Ethernet jacket	Up to +/- 180 degrees per 1 m guide	-30 °C to +80 °C moving route guide	23.9 mm	4077 kg/km
<b>Torsion industrial Ethernet cable 4 pair AWG24</b>	Robotic torsion for Ethernet and industrial network links	Ethernet, PROFINET or machine-network data	Data transmission circuit	4 pair	AWG24	Fine-stranded tinned copper Ethernet conductor	Pair screen plus overall braid EMC screen	Industrial PUR Ethernet jacket	Up to +/- 180 degrees per 1 m guide	-30 °C to +80 °C moving route guide	23.5 mm	3773 kg/km