



WIND TURBINE LOOP TORSION CABLE

EN 50525 / wind turbine torsion reference

18 orderable sizes

STANDARD EN 50525 / wind turbine torsion reference	VOLTAGE CLASS 0.6/1 kV	TEMPERATURE CLASS -40 °C to +90 °C wind turbine route guide
CONDUCTOR 2.5 mm ² , 4 mm ² , 6 mm ² , 10 mm ² , 16 mm ² , 25 mm ²	INSULATION / JACKET Cold, oil and UV resistant HFFR / LSZH jacket	

Construction

- 1 **Conductor (per core)** – Class 5 flexible bare copper conductor · 196 × Ø0.4 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** – Cold, oil and UV resistant HFFR / LSZH 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
Wind turbine torsion loop cable 4 core 2.5 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	2.5 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	15.1 mm	315 kg/km
Wind turbine torsion loop cable 4 core 4 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	4 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.0 mm	429 kg/km
Wind turbine torsion loop cable 4 core 6 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	6 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.9 mm	581 kg/km
Wind turbine torsion loop cable 4 core 10 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	10 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	18.4 mm	885 kg/km
Wind turbine torsion loop cable 4 core 16 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	16 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees	-40 °C to +90 °C wind turbine route guide	20.2 mm	1341 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
		turbine loop							per m guide			
Wind turbine torsion loop cable 4 core 25 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	4 core	25 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	22.3 mm	2025 kg/km
Wind turbine torsion loop cable 5 core 2.5 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	2.5 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	15.5 mm	363 kg/km
Wind turbine torsion loop cable 5 core 4 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	4 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.4 mm	505 kg/km
Wind turbine torsion loop cable 5 core 6 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	6 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	17.3 mm	695 kg/km
Wind turbine torsion loop cable 5 core 10 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	10 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	18.8 mm	1075 kg/km
Wind turbine torsion loop cable 5 core 16 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	16 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	20.6 mm	1645 kg/km
Wind turbine torsion loop cable 5 core 25 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	5 core	25 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	22.7 mm	2500 kg/km
Wind turbine torsion loop cable 7 core 2.5 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	2.5 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.2 mm	458 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
Wind turbine torsion loop cable 7 core 4 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	4 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	17.1 mm	657 kg/km
Wind turbine torsion loop cable 7 core 6 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	6 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	18.0 mm	923 kg/km
Wind turbine torsion loop cable 7 core 10 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	10 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	19.5 mm	1455 kg/km
Wind turbine torsion loop cable 7 core 16 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	16 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	21.3 mm	2253 kg/km
Wind turbine torsion loop cable 7 core 25 mm ²	Wind turbine nacelle loop torsion	Power and control circuits in turbine loop	0.6/1 kV	7 core	25 mm ²	Class 5 flexible bare copper conductor	Optional EMC screen or support fillers by loop design	Cold, oil and UV resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	23.4 mm	3450 kg/km