



WIND TURBINE TORSION POWER CABLE

EN 50525 / IEC 60502-1 wind loop reference

16 orderable sizes

STANDARD EN 50525 / IEC 60502-1 wind loop reference	VOLTAGE CLASS 0.6/1 kV	TEMPERATURE CLASS -40 °C to +90 °C wind turbine route guide
CONDUCTOR 6 mm ² , 10 mm ² , 16 mm ² , 25 mm ² , 35 mm ² , 50 mm ² , 70 mm ² , 95 mm ²	INSULATION / JACKET Cold, oil, UV and ozone resistant HFFR / LSZH jacket	

Construction

- 1 Conductor (per core) – Class 5 flexible bare copper power conductor · 80 × 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, UV and ozone 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 loop torsion power cable 4 core 6 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	6 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 4 core 10 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	10 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 4 core 16 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	16 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	20.2 mm	1341 kg/km
Wind turbine loop torsion power cable 4 core 25 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	25 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 4 core 35 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	35 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	24.2 mm	2785 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 loop torsion power cable 4 core 50 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	50 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	26.6 mm	3925 kg/km
Wind turbine loop torsion power cable 4 core 70 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	70 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	29.4 mm	5445 kg/km
Wind turbine loop torsion power cable 4 core 95 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	4 core	95 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	32.3 mm	7345 kg/km
Wind turbine loop torsion power cable 5 core 6 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	6 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 5 core 10 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	10 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 5 core 16 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	16 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 5 core 25 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	25 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone 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 loop torsion power cable 5 core 35 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	35 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	24.6 mm	3450 kg/km
Wind turbine loop torsion power cable 5 core 50 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	50 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	27.1 mm	4875 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 loop torsion power cable 5 core 70 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	70 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	29.8 mm	6775 kg/km
Wind turbine loop torsion power cable 5 core 95 mm ²	Nacelle loop torsion under yaw movement	0.6/1 kV turbine power connection	0.6/1 kV	5 core	95 mm ²	Class 5 flexible bare copper power conductor	Optional EMC screen or phase separator by turbine design	Cold, oil, UV and ozone resistant HFFR / LSZH jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	32.7 mm	9150 kg/km