



OFFSHORE WIND TORSION LOOP CABLE

IEC 60092 / offshore wind cable reference

12 orderable sizes

STANDARD <b>IEC 60092 / offshore wind cable reference</b>	VOLTAGE CLASS <b>0.6/1 kV</b>	TEMPERATURE CLASS <b>-40 °C to +90 °C offshore wind route guide</b>
CONDUCTOR <b>10 mm<sup>2</sup>, 16 mm<sup>2</sup>, 25 mm<sup>2</sup>, 35 mm<sup>2</sup>, 50 mm<sup>2</sup>, 70 mm<sup>2</sup></b>	INSULATION / JACKET <b>Mud, oil, UV and salt-air resistant LSZH offshore jacket</b>	

Construction

- 1 Conductor (per core) – Class 5 tinned copper marine-grade 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 – Mud, oil, UV and salt-air resistant LSZH offshore 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
Offshore wind loop LSZH cable 4 core 10 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	10 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	18.4 mm	885 kg/km
Offshore wind loop LSZH cable 4 core 16 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	16 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	20.2 mm	1341 kg/km
Offshore wind loop LSZH cable 4 core 25 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	25 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	22.3 mm	2025 kg/km
Offshore wind loop LSZH cable 4 core 35 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	35 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	24.2 mm	2785 kg/km
Offshore wind loop LSZH cable 4 core 50 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	50 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	26.6 mm	3925 kg/km
Offshore wind loop LSZH cable 4 core 70 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	4 core	70 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	29.4 mm	5445 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
70 mm <sup>2</sup>	loop torsion and vibration	control circuits in offshore turbine loop				copper marine-grade conductor	or support fillers by loop design	salt-air resistant LSZH offshore jacket	torsion up to +/- 150 degrees per m guide	offshore wind route guide		
Offshore wind loop LSZH cable 5 core 10 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	10 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	18.8 mm	1075 kg/km
Offshore wind loop LSZH cable 5 core 16 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	16 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	20.6 mm	1645 kg/km
Offshore wind loop LSZH cable 5 core 25 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	25 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	22.7 mm	2500 kg/km
Offshore wind loop LSZH cable 5 core 35 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	35 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	24.6 mm	3450 kg/km
Offshore wind loop LSZH cable 5 core 50 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	50 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	27.1 mm	4875 kg/km
Offshore wind loop LSZH cable 5 core 70 mm <sup>2</sup>	Offshore nacelle/tower loop torsion and vibration	Power and control circuits in offshore turbine loop	0.6/1 kV	5 core	70 mm <sup>2</sup>	Class 5 tinned copper marine-grade conductor	Optional EMC screen or support fillers by loop design	Mud, oil, UV and salt-air resistant LSZH offshore jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C offshore wind route guide	29.8 mm	6775 kg/km