



WIND TURBINE LOOP CONTROL CABLE

EN 50525 / wind turbine control reference

20 orderable sizes

STANDARD EN 50525 / wind turbine control reference	VOLTAGE CLASS 300/500 V	TEMPERATURE CLASS -40 °C to +90 °C wind turbine route guide
CONDUCTOR 0.75 mm ² , 1.0 mm ² , 1.5 mm ² , 2.5 mm ²	INSULATION / JACKET Cold, oil and UV resistant PUR / HFFR jacket	

Construction

- 1 Conductor (per core) – Class 5 flexible bare copper control conductor · 30 × Ø0.25 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 PUR / HFFR 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 control cable 4 core 0.75 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	4 core	0.75 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	13.6 mm	182 kg/km
Wind turbine loop control cable 4 core 1.0 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	4 core	1.0 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	13.9 mm	201 kg/km
Wind turbine loop control cable 4 core 1.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	4 core	1.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	14.4 mm	239 kg/km
Wind turbine loop control cable 4 core 2.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	4 core	2.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR 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 loop control cable 7 core 0.75 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	7 core	0.75 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	14.7 mm	225 kg/km
Wind turbine loop control cable 7 core 1.0 mm ²	Nacelle loop torsion	Control, auxiliary and instrumentation circuits	300/500 V	7 core	1.0 mm ²	Class 5 flexible bare copper	Optional tinned copper	Cold, oil and UV resistant	Wind loop torsion	-40 °C to +90 °C wind turbine route guide	15.0 mm	258 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
	for control circuits	instrumentation circuits				control conductor	braid EMC screen	PUR / HFFR jacket	up to +/- 150 degrees per m guide	turbine route guide		
Wind turbine loop control cable 7 core 1.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	7 core	1.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	15.5 mm	325 kg/km
Wind turbine loop control cable 7 core 2.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	7 core	2.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR 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
Wind turbine loop control cable 12 core 0.75 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	12 core	0.75 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.1 mm	296 kg/km
Wind turbine loop control cable 12 core 1.0 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	12 core	1.0 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.4 mm	353 kg/km
Wind turbine loop control cable 12 core 1.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	12 core	1.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	16.9 mm	467 kg/km
Wind turbine loop control cable 12 core 2.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	12 core	2.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	17.6 mm	695 kg/km
Wind turbine loop control cable 18 core 0.75 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	18 core	0.75 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	17.4 mm	382 kg/km
Wind turbine loop control cable 18 core 1.0 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	18 core	1.0 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	17.7 mm	467 kg/km
Wind turbine loop control cable 18 core 1.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	18 core	1.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees	-40 °C to +90 °C wind turbine route guide	18.2 mm	638 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
									per m guide			
Wind turbine loop control cable 18 core 2.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	18 core	2.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	18.9 mm	980 kg/km
Wind turbine loop control cable 25 core 0.75 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	25 core	0.75 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	18.7 mm	481 kg/km
Wind turbine loop control cable 25 core 1.0 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	25 core	1.0 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	19.0 mm	600 kg/km
Wind turbine loop control cable 25 core 1.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	25 core	1.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	19.5 mm	838 kg/km
Wind turbine loop control cable 25 core 2.5 mm ²	Nacelle loop torsion for control circuits	Control, auxiliary and instrumentation circuits	300/500 V	25 core	2.5 mm ²	Class 5 flexible bare copper control conductor	Optional tinned copper braid EMC screen	Cold, oil and UV resistant PUR / HFFR jacket	Wind loop torsion up to +/- 150 degrees per m guide	-40 °C to +90 °C wind turbine route guide	20.2 mm	1313 kg/km