



NACELLE CONTROL AND SENSOR CABLE

Wind turbine control cable reference

12 orderable sizes

STANDARD Wind turbine control cable reference	VOLTAGE CLASS 300/500 V	TEMPERATURE CLASS -40 °C to +90 °C nacelle route guide
CONDUCTOR 0.5 mm <sup>2</sup> , 0.75 mm <sup>2</sup> , 1.0 mm <sup>2</sup>	INSULATION / JACKET Oil and coolant resistant PUR / LSZH jacket	

Construction

- 1 Conductor (per core) – Fine-stranded bare copper control conductor · 16 × Ø0.2 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 – Oil and coolant resistant PUR / 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 nacelle control sensor cable 4 core 0.5 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	4 core	0.5 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	13.3 mm	163 kg/km
Wind turbine nacelle control sensor cable 4 core 0.75 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	4 core	0.75 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	13.6 mm	182 kg/km
Wind turbine nacelle control sensor cable 4 core 1.0 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	4 core	1.0 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	13.9 mm	201 kg/km
Wind turbine nacelle control sensor cable 8 core 0.5 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	8 core	0.5 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	14.7 mm	201 kg/km
Wind turbine nacelle control sensor cable 8 core 0.75 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	8 core	0.75 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	15.0 mm	239 kg/km
Wind turbine nacelle control sensor cable 8 core 1.0 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	8 core	1.0 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	15.3 mm	277 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
									loop guide			
Wind turbine nacelle control sensor cable 12 core 0.5 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	12 core	0.5 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	15.8 mm	239 kg/km
Wind turbine nacelle control sensor cable 12 core 0.75 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	12 core	0.75 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	16.1 mm	296 kg/km
Wind turbine nacelle control sensor cable 12 core 1.0 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	12 core	1.0 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	16.4 mm	353 kg/km
Wind turbine nacelle control sensor cable 16 core 0.5 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	16 core	0.5 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	16.7 mm	277 kg/km
Wind turbine nacelle control sensor cable 16 core 0.75 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	16 core	0.75 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	17.0 mm	353 kg/km
Wind turbine nacelle control sensor cable 16 core 1.0 mm <sup>2</sup>	Nacelle vibration and flexible equipment wiring	Control, sensor and low-voltage signal circuits	300/500 V	16 core	1.0 mm <sup>2</sup>	Fine-stranded bare copper control conductor	Foil or braid screen option for sensor signals	Oil and coolant resistant PUR / LSZH jacket	Flexible nacelle vibration and service-loop guide	-40 °C to +90 °C nacelle route guide	17.3 mm	429 kg/km