



WIND TURBINE DATA CABLE

ISO/IEC 11801 / IEC 61156 reference

4 orderable sizes

STANDARD ISO/IEC 11801 / IEC 61156 reference	VOLTAGE CLASS Data transmission circuit	TEMPERATURE CLASS -40 °C to +80 °C wind turbine data route guide
CONDUCTOR AWG26, AWG24	INSULATION / JACKET Oil and UV resistant PUR / LSZH data jacket	

Construction

- 1 **Conductor (per core)** – Fine-stranded or solid tinned copper data conductor · 1 × Ø0.5 mm · IEC 60228 cl.1
- 2 **Pair insulation** – Flexible core insulation selected by motion duty
- 3 **Individual screen (IS)** – Al/polyester foil + tinned-copper drain
- 4 **Filler** – Bedding / filler
- 5 **Overall screen (OS)** – Al/polyester foil + drain
- 6 **Sheath** – Oil and UV resistant PUR / LSZH data 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 data Ethernet cable 2 pair AWG26	Nacelle and tower data route with vibration and temperature stress	Ethernet, monitoring and SCADA communication	Data transmission circuit	2 pair	AWG26	Fine-stranded or solid tinned copper data conductor	Pair screen plus overall braid/foil EMC screen	Oil and UV resistant PUR / LSZH data jacket	Flexible service-loop and nacelle vibration guide	-40 °C to +80 °C wind turbine data route guide	22.5 mm	2101 kg/km
Wind turbine data Ethernet cable 2 pair AWG24	Nacelle and tower data route with vibration and temperature stress	Ethernet, monitoring and SCADA communication	Data transmission circuit	2 pair	AWG24	Fine-stranded or solid tinned copper data conductor	Pair screen plus overall braid/foil EMC screen	Oil and UV resistant PUR / LSZH data jacket	Flexible service-loop and nacelle vibration guide	-40 °C to +80 °C wind turbine data route guide	22.1 mm	1949 kg/km
Wind turbine data Ethernet cable 4 pair AWG26	Nacelle and tower data route with vibration and temperature stress	Ethernet, monitoring and SCADA communication	Data transmission circuit	4 pair	AWG26	Fine-stranded or solid tinned copper data conductor	Pair screen plus overall braid/foil EMC screen	Oil and UV resistant PUR / LSZH data jacket	Flexible service-loop and nacelle vibration guide	-40 °C to +80 °C wind turbine data route guide	23.9 mm	4077 kg/km
Wind turbine data Ethernet cable 4 pair AWG24	Nacelle and tower data route with vibration and temperature stress	Ethernet, monitoring and SCADA communication	Data transmission circuit	4 pair	AWG24	Fine-stranded or solid tinned copper data conductor	Pair screen plus overall braid/foil EMC screen	Oil and UV resistant PUR / LSZH data jacket	Flexible service-loop and nacelle vibration guide	-40 °C to +80 °C wind turbine data route guide	23.5 mm	3773 kg/km