



WIND FARM MV COLLECTOR CABLE

IEC 60502-2 / wind collector reference

14 orderable sizes

STANDARD IEC 60502-2 / wind collector reference	VOLTAGE CLASS 6.35/11 kV to 19/33 kV	TEMPERATURE CLASS -25 °C to +90 °C conductor route guide
CONDUCTOR 50 mm ² , 70 mm ² , 95 mm ² , 120 mm ² , 150 mm ² , 185 mm ² , 240 mm ²	INSULATION / JACKET UV, water and abrasion resistant PE / LSZH outer sheath	

Construction

- 1 Conductor (per core) – Class 2 copper or aluminium MV conductor · 37 × Ø2.03 mm · IEC 60228 cl.2
- 2 Core insulation – Flexible core insulation selected by motion duty
- 3 Filler – PP filler
- 4 Shield – Foil shield (B)
- 5 Sheath – UV, water and abrasion resistant PE / LSZH outer sheath

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 MV collector cable single core 50 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	50 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	26.6 mm	3925 kg/km
Wind turbine MV collector cable single core 70 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	70 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	29.4 mm	5445 kg/km
Wind turbine MV collector cable single core 95 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	95 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	32.3 mm	7345 kg/km
Wind turbine MV collector cable single core 120 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	120 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	34.8 mm	9245 kg/km
Wind turbine MV collector cable single core 150 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	150 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	37.5 mm	11525 kg/km
Wind turbine MV collector cable	Fixed collector	Medium-voltage	6.35/11 kV to	single core	185 mm ²	Class 2 copper or	Conductor screen,	UV, water and	Fixed buried or	-25 °C to +90 °C	40.4 mm	14185 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
single core 185 mm ²	feeder from turbine to substation	wind farm collector circuit	19/33 kV			aluminium MV conductor	insulation screen and copper wire/tape metallic screen	abrasion resistant PE / LSZH outer sheath	ducted collector route	conductor route guide		
Wind turbine MV collector cable single core 240 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	single core	240 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	44.3 mm	18365 kg/km
Wind turbine MV collector cable three core 50 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	50 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	26.6 mm	3925 kg/km
Wind turbine MV collector cable three core 70 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	70 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	29.4 mm	5445 kg/km
Wind turbine MV collector cable three core 95 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	95 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	32.3 mm	7345 kg/km
Wind turbine MV collector cable three core 120 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	120 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	34.8 mm	9245 kg/km
Wind turbine MV collector cable three core 150 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	150 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	37.5 mm	11525 kg/km
Wind turbine MV collector cable three core 185 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	185 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	40.4 mm	14185 kg/km
Wind turbine MV collector cable three core 240 mm ²	Fixed collector feeder from turbine to substation	Medium-voltage wind farm collector circuit	6.35/11 kV to 19/33 kV	three core	240 mm ²	Class 2 copper or aluminium MV conductor	Conductor screen, insulation screen and copper wire/tape metallic screen	UV, water and abrasion resistant PE / LSZH outer sheath	Fixed buried or ducted collector route	-25 °C to +90 °C conductor route guide	44.3 mm	18365 kg/km