

WILBAwind MV cable 3.6/6kV

426_90°C

Twistable, halogen-free, shielded single-conductor medium-voltage cable

- UV radiation-resistant
- Flame retardancy

Application

Optimized cable for use in wind energy plants

Materials and components

- Cu conductor bare class 5 (IEC 60228), finely stranded, torsion-resistant design
- Inner cross-linked semiconducting layer
- Core insulation made of cross-linked EPR
- Core colour natural
- Outer cross-linked semiconducting layer
- Shielding from Cu tinned
- Outer sheath made of flame-resistant, cross-linked polyolefine (XLPO)

Jacket colour

- Black similar to RAL 9005

Functions

- Flexible
- Good oil and petrol resistance
- Halogen-free
- High abrasion resistance
- High mechanical strength

Environmental conditions

- Good resistance at high and low temperatures
- Flexible at low temperatures
- Ozone- and weather-resistant

Performance

Mechanical properties

- Max. tensile load 20N/mm² Cu cross-section
- Min. bending radius 6 x D static, 15 x D dynamic (D = cable Ø)

Nominal voltage

- Nominal voltage [AC]: U₀ / U 3.6 / 6 kV

Test voltage

- Test voltage [AC]: 12.5 kV

Temperature range

- -40°C ... +90°C
- In event of short-circuit, +250°C for 5 sec.

Standards

- Based on IEC 60502-1, IEC 60245, EN 50264
- IEC 60332-1-2 Flame retardancy
- IEC 60754-1 Halogen-free
- IEC 60754-2 Corrosivity of fumes
- ISO 4982-2 UV resistance

CPR Guideline

- Fire reacton class acc. EN 13501-6: Eca

Remarks

- D= total Ø
- d1=Ø across outer semiconductor layer



Technical data

Cross-section mm ²	Part no.	Ø D mm	Ø d1 mm	Copper index kg/km	Weight kg/km
1X50/10	525098	20.0 - 24.0	13.0 - 16.0	576.0	1050
1X240/10	525096	34.0 - 36.0	25.5 - 27.0	2415.0	2960
1X300/10	525097	37.0 - 39.0	27.0 - 31.0	3120.0	3720

