



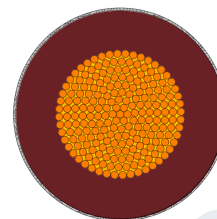
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

HZLBI HIGH-VOLTAGE IGNITION CABLE

Flexible silicone cable for high-voltage ignition



APPLICATION

High-voltage ignition cable for industrial and automotive applications, including installations exposed to large ambient temperature fluctuations.

KEY FEATURES

Parameter	Value
Application	High-voltage ignition cable for industrial and automotive applications
Voltage rating	Testing voltage: 15 kV for 5 mm cable; 20 kV for 7 mm cable
Temperature range	Fixed: -40 deg C to +180 deg C; flexible: -25 deg C to +180 deg C
Protection	Halogen-free, heat resistant and voltage-stable construction

DESIGN

Parameter	Value
Conductor	Tinned copper strands, 19 x 0.25 mm diameter
Insulation	Silicone insulation according to EN 50363-1
Sheath colour	Reddish brown, similar to RAL 3016
Construction	Flexible, low-temperature resistant high-voltage cable

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Testing voltage, 5 mm cable	15 kV
Testing voltage, 7 mm cable	20 kV
Minimum bending radius	7.5 x cable diameter
Temperature range, fixed	-40 deg C to +180 deg C
Temperature range, flexible	-25 deg C to +180 deg C
Short time use	+250 deg C
Radiation resistance	2×10^7 cJ/kg
Halogen-free	IEC 60754-1 and VDE 0482-754-1
Fire performance	Flame retardant and self-extinguishing: IEC 60332-1-2 and VDE 0482-332-1-2
Corrosiveness of gases	IEC 60754-2 and VDE 0482-754-2; no corrosive gases
Weather resistance	Very good
Chemical resistance	See technical data

TECHNICAL DATA

HZLBi - DIMENSIONS AND RATINGS				
Cross-section mm2	Largest single wire diameter mm	Outer diameter mm	Copper figure kg/km	Cable weight kg/km
1.00	0.26	5.0	9.6	35
1.00	0.26	7.0	9.6	62

CONSTRUCTION, TESTS AND STANDARDS	
Parameter	Value
Conductor	Tinned copper strands, 19 x 0.25 mm diameter
Insulation	Silicone insulation according to EN 50363-1
Sheath	Reddish-brown silicone sheath, similar to RAL 3016
Temperature range	Fixed: -40 deg C to +180 deg C; flexible: -25 deg C to +180 deg C
Bending radius	Minimum 7.5 x cable diameter
Fire performance	Flame retardant and self-extinguishing according to IEC 60332-1-2
Halogen-free	According to IEC 60754-1

CERTIFICATIONS



TEBAOFLEX CABLE