



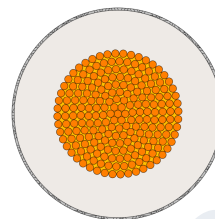
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

ECS-HT VDE HIGH-VOLTAGE IGNITION WIRE

Single-core silicone wire for high-voltage ignition



APPLICATION

High-voltage ignition wire for piezo-electric components, gas or oil burners, and other equipment requiring reliable electric arc creation.

KEY FEATURES

Parameter	Value
Application	High-voltage ignition wire for piezo-electric components, gas burners and oil burners
Voltage rating	Rated voltage 1.8/3.0 kV; pulse voltage 10 kV
Temperature range	Continuous operation from -60 deg C to +180 deg C
Protection	Halogen-free silicone insulation with good UV and thermal-shock resistance

DESIGN

Parameter	Value
Conductor	Flexible tin-plated copper core, Class 5 IEC 60228 / DIN VDE 0295
Insulation	Silicone rubber, Type EI2 according to EN 50363-1
Construction	Single-core high-temperature ignition wire
Option	Solid tin-plated copper core, Class 1

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage	1.8/3.0 kV
Pulse voltage	10 kV
Minimum bending radius	7.5 x cable diameter
Temperature range	-60 deg C to +180 deg C
Halogen-free	IEC 60754-1 / EN 60754-1
VDE approval	Licence No. 106491
Insulation	Silicone rubber, Type EI2
Conductor	Tin-plated copper, flexible Class 5 or solid Class 1
Thermal shock resistance	Good
UV resistance	Good
Application	Ignition circuit and electric arc creation

TECHNICAL DATA

ECS-HT VDE - DIMENSIONS AND RATINGS

Cross-section mm ²	Core construction	Insulation thickness mm	Nominal diameter mm	Weight kg/km	Max resistance Ohm/km
0.75	Flexible: 24 x 0.20	1.3	3.8	22.0	26.7
1.0	Flexible: 32 x 0.20	1.3	3.9	24.6	20.0
1.5	Flexible: 30 x 0.25	1.3	4.2	30.7	13.7
0.75	Solid: 1 x 0.98	1.3	3.6	20.6	24.8
1.0	Solid: 1 x 1.13	1.3	3.8	24.2	18.2
1.5	Solid: 1 x 1.38	1.3	4.0	29.7	12.2

CONSTRUCTION, TESTS AND STANDARDS

Parameter	Value
Conductor	Tin-plated copper, flexible Class 5 or solid Class 1
Insulation	Silicone rubber, Type EI2 according to EN 50363-1
Temperature range	Continuous: -60 deg C to +180 deg C
Bending radius	Minimum 7.5 x cable diameter
Electrical rating	1.8/3.0 kV rated; 10 kV pulse voltage
Approvals	VDE Licence No. 106491; halogen-free IEC 60754-1 / EN 60754-1

CERTIFICATIONS



TEBAOFLEX CABLE