



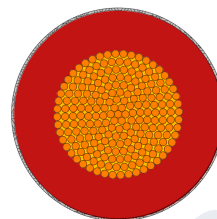
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

CS-HT / SSV-HT / CSVCS-HT IGNITION WIRE

High-temperature silicone ignition wire



APPLICATION

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

KEY FEATURES

Parameter	Value
Application	Ignition wire for piezo-electric components, gas burners and oil burners
Voltage rating	Pulse voltage from 15 kV to 30 kV
Temperature range	Continuous operation from -60 deg C to +180 deg C
Protection	Halogen-free silicone wire with good UV and thermal-shock resistance

DESIGN

Parameter	Value
Conductor	Bare, tin-plated, nickel-plated or silver-plated copper core
Insulation	Silicone rubber
Options	Silicone-coated fibreglass braid or outer electrical shielding
Construction	Single-core high-temperature ignition wire

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Continuous operating temperature	-60 deg C to +180 deg C
Pulse voltage	15 kV to 30 kV
Halogen-free	IEC 60754-1 / EN 60754-1
Insulation	Silicone rubber
Conductor options	Bare, tin-plated, nickel-plated or silver-plated copper
Thermal shock resistance	Good
UV resistance	Good
Application	Ignition circuit and electric arc creation

TECHNICAL DATA

CS-HT - DIMENSIONS AND ELECTRICAL DATA

Cross-section mm ²	Nominal stranding	Nominal diameter mm	Weight kg/km	Max resistance Ohm/km
0.25	8 x 0.20 or 14 x 0.15	2.7	10.2	82.9
0.34	7 x 0.25 or 19 x 0.16	2.8	11.5	59.2
0.5	7 x 0.30 or 16 x 0.20	3.0	13.9	40.1
0.6	19 x 0.20	3.0	14.6	33.7
0.75	24 x 0.20	3.2	17.1	26.7
0.93	19 x 0.25	3.3	19.2	21.6
1	32 x 0.20	3.4	20.4	20.0
1.34	19 x 0.30	3.5	23.6	15.0
1.5	30 x 0.25	3.6	25.3	13.7
2.5	50 x 0.25	4.0	36.7	8.21
4	56 x 0.30	4.6	52.3	5.09

CSV-HT - DIMENSIONS AND ELECTRICAL DATA

Cross-section mm ²	Nominal stranding	Nominal diameter mm	Weight kg/km	Max resistance Ohm/km
0.34	7 x 0.25 or 19 x 0.16	2.8	11.5	59.2
0.5	7 x 0.30 or 16 x 0.20	3.0	13.9	40.1
0.6	19 x 0.20	3.0	14.6	33.7
0.75	24 x 0.20	3.2	17.1	26.7
0.93	19 x 0.25	3.5	20.3	21.6
1	32 x 0.20	3.6	21.6	20.0
1.34	19 x 0.30	3.7	24.9	15.0
1.5	30 x 0.25	3.8	26.6	13.7
2.5	50 x 0.25	4.3	38.1	8.21

TECHNICAL DATA

CSVCS-HT - DIMENSIONS AND ELECTRICAL DATA				
Cross-section mm2	Nominal stranding	Nominal diameter mm	Weight kg/km	Max resistance Ohm/km
0.5	7 x 0.30 or 16 x 0.20	3.3	16.1	40.1
0.6	19 x 0.20	3.3	16.8	33.7
0.75	24 x 0.20	3.5	19.5	26.7
0.93	19 x 0.25	3.6	21.6	21.6
1	32 x 0.20	3.8	23.7	20.0
1.34	19 x 0.30	3.9	27.1	15.0
1.5	30 x 0.25	4.0	28.8	13.7

CONSTRUCTION, TESTS AND STANDARDS	
Parameter	Value
Conductor	Bare, tin-plated, nickel-plated or silver-plated copper core
Insulation	Silicone rubber
Temperature range	Continuous: -60 deg C to +180 deg C
Electrical performance	Pulse voltage from 15 kV to 30 kV
Halogen-free	IEC 60754-1 / EN 60754-1
Options	Silicone-coated fibreglass braid or outer electrical shielding

CERTIFICATIONS



TEBAOFLEX CABLE