



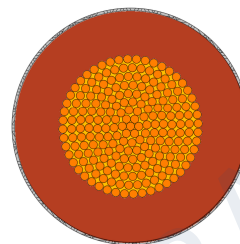
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

IGNITION CABLE 7/10 kV SILICONE CABLE

Flexible silicone cable for ignition applications



APPLICATION

Ignition cable for automobile applications and installations exposed to high ambient temperature fluctuations up to +180 deg C.

KEY FEATURES

Parameter	Value
Application	Ignition cable for automobile applications and high ambient temperature fluctuations
Voltage rating	Rated voltage U_0/U : 7 kV; AC test voltage 10 kV at 50 Hz
Temperature range	Fixed installation: -60 deg C to +180 deg C
Protection	Silicone rubber insulation with oxblood-red sheath

DESIGN

Parameter	Value
Conductor	Tinned flexible copper wires
Insulation	Silicone rubber compound
Sheath colour	Oxblood-red
Optional protection	Glass fibre braid available on request

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Rated voltage U_0/U	7 kV
AC test voltage, 50 Hz	10 kV
Insulation resistance	>100 Mohm/km
Conductor temperature	+180 deg C
Short circuit temperature	+250 deg C
Temperature range, fixed	-60 deg C to +180 deg C
Minimum bending radius, fixed	7.5 x cable diameter
Cable standards	VDE 0250; DIN VDE 0282-3; TS 9764 HD 22.3 S4
Conductor construction	IEC 60228 Class 5; DIN EN 60228 Class 5
Flame retardance	IEC 60332-1 and IEC 60332-3; EN 50265-2-1 and EN 50266-2-4

TECHNICAL DATA

IGNITION CABLE - DIMENSIONS AND RATINGS				
Cross-section mm2	Approx. outer diameter mm	Rated voltage	Min. bend radius	Conductor temperature
1.0	6	7/10 kV	7.5 x D	180 deg C
1.5	7	7/10 kV	7.5 x D	180 deg C

CONSTRUCTION, TESTS AND STANDARDS	
Parameter	Value
Conductor	Tinned flexible copper wires
Insulation	Silicone rubber compound
Sheath	Oxblood-red silicone sheath
Temperature range	Fixed: -60 deg C to +180 deg C
Bending radius	Fixed: 7.5 x cable diameter
Standards	VDE 0250; DIN VDE 0282-3; TS 9764 HD 22.3 S4
Flame retardance	IEC 60332-1 and IEC 60332-3; EN 50265-2-1 and EN 50266-2-4

CERTIFICATIONS



TEBAOFLEX CABLE