



TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

IGNITER WIRE WITH FIBERGLASS JACKET

High-temperature flexible igniter wire



APPLICATION

High-temperature flexible igniter wire for demanding applications. Designed for high voltage, extreme heat, abrasion, moisture and installation flexibility.

KEY FEATURES

Parameter	Value
Application	High-temperature flexible cable for igniter wire applications
Voltage rating	25 kV DC / 17 kV AC maximum
Heat resistance	Maximum conductor temperature 538 deg C / 1,000 deg F
Protection	Fiberglass braid jacket with fluoropolymer coating

DESIGN

Parameter	Value
Conductor	Nickel-plated copper conductors
Insulation	Multi-layered mica tape wrap with PTFE moisture barrier
Braid jacket	Specially designed fiberglass braid impregnated with high-temperature finish
Outer coating	Fluoropolymer coating for moisture and abrasion protection

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
DC voltage rating	25 kV maximum
AC voltage rating	17 kV maximum
Maximum conductor temperature	538 deg C / 1,000 deg F
Bending radius, static	6 x cable O.D.
Bending radius, dynamic	8 x cable O.D.
Flexibility	Flexible construction for igniter wire installation
Abrasion resistance	Fiberglass braid jacket helps resist abrasion
Moisture resistance	PTFE moisture barrier and fluoropolymer coating
Conductor plating	Nickel-plated copper for high heat resistance
Application	High-temperature igniter wire

TECHNICAL DATA

IGNITER WIRE - AWG CONFIGURATION				
AWG / conductor	Nominal O.D. in	Weight lbs / 1,000 ft	Static bend radius	Dynamic bend radius
18 AWG	0.527	50	6 x O.D.	8 x O.D.

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Nickel-plated copper conductors
Insulation	Mica tape wrap with PTFE moisture barrier
Protection	Fiberglass braid with fluoropolymer coating
Bending	6 x O.D. static; 8 x O.D. dynamic
Electrical rating	25 kV DC / 17 kV AC maximum; 538 deg C conductor temperature

CERTIFICATIONS



TEBAOFLEX CABLE