



TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

FLARE STACK HIGH-TEMPERATURE IGNITER CABLE

Flexible high-voltage cable for flare stack ignition



APPLICATION

High-temperature flexible igniter cable suitable for flare stack applications. Designed for harsh environments with high voltage, heat, abrasion, moisture and chemical exposure.

KEY FEATURES

Parameter	Value
Application	High-temperature flexible cable for flare stack igniter applications
Voltage rating	25 kV DC / 10 kV AC maximum
Heat resistance	Maximum conductor temperature 250 deg C
Protection	Designed to resist flexing, abrasion and harsh chemicals

DESIGN

Parameter	Value
Conductor	Finely stranded nickel-plated copper
Insulation	High-voltage silicone rubber with mica tape wrap
Braid jacket	Special fiberglass braid impregnated with high-temperature finish
Outer coating	Fluoropolymer coating for weather and chemical protection

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
DC voltage rating	25 kV maximum
AC voltage rating	10 kV maximum
Maximum conductor temperature	250 deg C
Bending radius, static	10 x cable O.D.
Bending radius, dynamic	12 x cable O.D.
Flexibility	Finely stranded conductor for improved flex life
Abrasion resistance	Fiberglass braid and fluoropolymer outer coating
Chemical resistance	Silicone, mica, fiberglass and fluoropolymer protection
Conductor plating	Nickel-plated copper for high heat resistance
Application	Flare stack igniter wire

TECHNICAL DATA

FLARE STACK IGNITER CABLE - AWG CONFIGURATIONS				
AWG / conductor	Nominal O.D. in	Weight lbs / 1,000 ft	Static bend radius	Dynamic bend radius
18 AWG	0.239	34	10 x O.D.	12 x O.D.
16 AWG	0.251	40	10 x O.D.	12 x O.D.
14 AWG	0.276	50	10 x O.D.	12 x O.D.
12 AWG	0.302	63	10 x O.D.	12 x O.D.
10 AWG	0.339	83	10 x O.D.	12 x O.D.

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Finely stranded nickel-plated copper for high heat resistance
Insulation	High-voltage silicone rubber with mica tape wrap
Protection	Fiberglass braid jacket with fluoropolymer outer coating
Bending	10 x O.D. static; 12 x O.D. dynamic
Electrical rating	25 kV DC / 10 kV AC maximum

CERTIFICATIONS

