



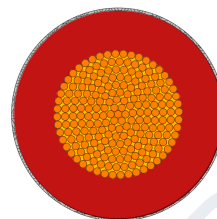
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1570 PTFE 250 C 600 V WIRE

Mineral-filled PTFE insulated, abrasion-resistant wire



APPLICATION

High-temperature 600 V wire for applications exposed to chemical agents, extreme temperatures or dielectric stress, including replacement of asbestos or braided glass insulation.

KEY FEATURES

Parameter	Value
Application	High-temperature wiring where chemical exposure, temperature extremes or dielectric stress are possible
Voltage rating	600 V; up to 2,500 V peak for electronic use only
Temperature rating	250 deg C
Protection	Mineral-filled PTFE insulation with enhanced abrasion resistance

DESIGN

Parameter	Value
Conductor	Nickel-plated copper
Insulation	Extruded mineral-filled PTFE
Performance	Abrasion resistant, flexible and chemically resistant
Options	Nickel-plated high-strength copper alloy conductor

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	600 V
Temperature rating	250 deg C
Insulation	Mineral-filled PTFE
Conductor	Nickel-plated copper
Colors	Available in 10 standard colors
Identification	Surface printed as required by UL or CSA
Standards	UL 1570; CSA 600 V
Application	Replacement for asbestos or braided glass insulated wires

TECHNICAL DATA

UL 1570 / CSA 600 V - DIMENSIONS, WEIGHTS AND RESISTANCE					
AWG	Stranding	Cond. dia. in / mm	Insul. dia. in / mm	Weight lb/1000 ft / kg/km	Max. resistance ohm/1000 ft / ohm/km
8	133/29	.163 / 4.14	.230 / 5.84	71.7 / 107	0.694 / 2.28
10	37/.0167	.113 / 2.87	.179 / 4.55	44.9 / 66.8	1.25 / 4.10
10	37/26*	.108 / 2.74	.174 / 4.42	42.3 / 63.0	1.23 / 4.03
12	19/.0186	.088 / 2.24	.134 / 3.40	27.1 / 40.3	1.66 / 5.44
12	19/25*	.084 / 2.13	.130 / 3.30	26.4 / 39.3	1.89 / 6.20
14	19/.0147	.070 / 1.78	.115 / 2.92	19.2 / 28.6	2.70 / 8.86
14	19/27*	.067 / 1.70	.112 / 2.84	17.8 / 26.5	3.00 / 9.84
16	19/.0117	.056 / 1.42	.102 / 2.59	13.4 / 19.9	4.41 / 14.5
16	19/29*	.053 / 1.35	.099 / 2.51	12.7 / 19.0	4.76 / 15.6
18	19/30	.047 / 1.19	.093 / 2.36	10.7 / 16.0	6.10 / 20.0
20	19/32	.038 / .965	.083 / 2.11	7.89 / 11.7	9.68 / 31.8
22	19/34	.030 / .762	.074 / 1.88	5.82 / 8.66	15.7 / 51.5
24	19/36	.024 / .610	.068 / 1.73	4.54 / 6.76	25.2 / 82.7

CONSTRUCTION AND APPLICATION NOTES

Parameter	Value
Conductor	Nickel-plated copper
Insulation	Extruded mineral-filled PTFE
Voltage rating	600 V
Temperature rating	250 deg C
Standards	UL 1570; CSA 600 V
Note	Dimensions in inches (mm); weights in lb/1000 ft (kg/1000 m); resistance at 20 deg C; * electronic use only

CERTIFICATIONS



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