



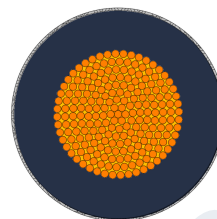
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1584 PTFE 250 C 1000 V WIRE

High-temperature PTFE insulated single-core wire



APPLICATION

1000 V PTFE wire for appliance, industrial machine, rotating machine and electrical heating equipment cabling.

KEY FEATURES

Parameter	Value
Application	Internal appliance, industrial machine and rotating machine cabling
Voltage rating	1000 V
Temperature rating	-65 C to 250 deg C
Protection	PTFE insulation with excellent UV, chemical and humidity resistance

DESIGN

Parameter	Value
Conductor	Bare, tinned, nickel-plated or silver-plated copper
Insulation	PTFE fluoropolymer
Performance	Excellent mechanical strength and environmental resistance
Options	Special constructions available on request

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	1000 V
Test voltage	3000 V
Temperature range	-65 C to 250 deg C
Insulation	PTFE fluoropolymer
Conductor	Bare, tinned, nickel-plated or silver-plated copper
Approvals	UL 758; horizontal flame, FT1 and VW-1 approvals
Production range	AWG 32 to AWG 10
Application	Appliances, industrial machines, rotating machines and heating equipment

TECHNICAL DATA

UL 1584 - DIMENSIONS AND WEIGHTS - PART 1					
AWG	Conductor structure	Cond. dia. in / mm	Wall thickness in / mm	Final O.D. in / mm	Weight lb/kft / kg/km
10	37 x 0.43	.119 / 3.01	.022 / .56	.163 / 4.13	42.7 / 63.6
12	19 x 0.49	.096 / 2.45	.022 / .56	.141 / 3.57	28.9 / 43.0
14	19 x 0.37	.073 / 1.85	.022 / .56	.117 / 2.97	19.4 / 28.9
16	19 x 0.30	.059 / 1.50	.022 / .56	.103 / 2.62	13.9 / 20.7
17	19 x 0.26	.051 / 1.30	.022 / .56	.095 / 2.42	0.0 / 14.8
18	19 x 0.23	.045 / 1.15	.022 / .56	.089 / 2.27	11.2 / 16.7
20	19 x 0.19	.037 / .95	.022 / .56	.081 / 2.07	8.3 / 12.3
20	1 x 0.80	.031 / .80	.022 / .56	.076 / 1.92	7.5 / 11.1
22	19 x 0.16	.031 / .80	.022 / .56	.076 / 1.92	6.2 / 9.3

TECHNICAL DATA

UL 1584 - DIMENSIONS AND WEIGHTS - PART 2					
AWG	Conductor structure	Cond. dia. in / mm	Wall thickness in / mm	Final O.D. in / mm	Weight lb/ft / kg/km
22	1 x 0.65	.026 / .65	.022 / .56	.070 / 1.77	5.5 / 8.1
24	7 x 0.20	.024 / .60	.022 / .56	.068 / 1.72	4.9 / 7.3
24	1 x 0.50	.020 / .50	.022 / .56	.064 / 1.62	4.4 / 6.6
26	7 x 0.16	.019 / .48	.022 / .56	.063 / 1.60	4.0 / 6.0
26	1 x 0.40	.016 / .40	.022 / .56	.060 / 1.52	3.6 / 5.4
28	7 x 0.12	.014 / .36	.022 / .56	.058 / 1.48	3.3 / 4.9
28	1 x 0.32	.013 / .32	.022 / .56	.057 / 1.44	3.1 / 4.6
30	7 x 0.10	.012 / .30	.022 / .56	.056 / 1.42	2.9 / 4.3
30	1 x .254	.010 / .254	.022 / .56	.054 / 1.37	2.7 / 4.0

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Bare, tinned, nickel-plated or silver-plated copper
Insulation	PTFE fluoropolymer
Voltage rating	1000 V
Test voltage	3000 V
Temperature range	-65 C to 250 deg C
Standards	UL 758; horizontal flame, FT1 and VW-1 approvals
Note	Dimensions and weights are nominal; resistance values at 20 deg C

CERTIFICATIONS



TEBAOFLEX CABLE