



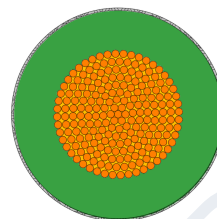
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1180 PTFE 200 C 300 V WIRE

High-temperature wire with extruded PTFE insulation



APPLICATION

300 V PTFE insulated wire for internal electronic component wiring and appliance applications exposed to temperature extremes and chemical stress.

KEY FEATURES

Parameter	Value
Application	Internal wiring of electronic components and general appliance wiring
Voltage rating	300 V
Temperature rating	200 deg C
Protection	Extruded PTFE insulation for chemical, thermal and dielectric resistance

DESIGN

Parameter	Value
Conductor	Silver-plated copper
Insulation	Extruded PTFE
Identification	Surface printed as required by UL or CSA
Construction	Solid or stranded conductor options across AWG sizes

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	300 V
Temperature rating	200 deg C
Insulation	Extruded PTFE
Conductor	Silver-plated copper
Approval	UL 1180 AWM 200 deg C 300 V
Approval	CSA AWM I A/B 200 deg C 300 V
Application	Internal wiring of electronic components
Colours	Multiple standard colours available

TECHNICAL DATA

UL 1180 - DIMENSIONS AND ELECTRICAL DATA					
AWG	Stranding	Insulation dia. in (mm)	Outer dia. in (mm)	Weight lb/1000 ft	Voltage
30	1	0.015	0.040 (1.02)	1.35	300 V
30	7	0.015	0.042 (1.07)	1.52	300 V
28	1	0.015	0.043 (1.09)	1.7	300 V
28	7	0.015	0.045 (1.14)	1.8	300 V
28	19	0.015	0.045 (1.14)	1.9	300 V
26	1	0.015	0.046 (1.17)	2.1	300 V
26	7	0.015	0.049 (1.24)	2.4	300 V
26	19	0.015	0.049 (1.24)	2.4	300 V
24	1	0.015	0.050 (1.27)	2.8	300 V
24	7	0.015	0.054 (1.37)	3.1	300 V
24	19	0.015	0.054 (1.37)	3.1	300 V
22	1	0.015	0.055 (1.40)	3.7	300 V

TECHNICAL DATA

UL 1180 - DIMENSIONS AND ELECTRICAL DATA					
AWG	Stranding	Insulation dia. in (mm)	Outer dia. in (mm)	Weight lb/1000 ft	Voltage
22	7	0.015	0.060 (1.52)	4.2	300 V
22	19	0.015	0.060 (1.52)	4.2	300 V
20	1	0.015	0.062 (1.57)	5.2	300 V
20	7	0.015	0.068 (1.73)	5.8	300 V
20	19	0.015	0.068 (1.73)	6.1	300 V
18	1	0.016	0.071 (1.80)	7.3	300 V
18	7	0.016	0.079 (2.01)	8.2	300 V
18	19	0.016	0.079 (2.01)	8.4	300 V
16	19	0.018	0.089 (2.26)	11	300 V
14	19	0.020	0.106 (2.69)	16	300 V
12	19	0.020	0.125 (3.18)	24	300 V
10	37	0.020	0.145 (3.68)	37	300 V

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Silver-plated copper
Insulation	Extruded PTFE
Voltage rating	300 V
Temperature rating	200 deg C
Standards	UL 1180 AWM 200 deg C 300 V; CSA AWM I A/B 200 deg C 300 V
Note	Values are nominal; dimensions in inches and mm; weight in lb/1000 ft

CERTIFICATIONS



TEBAOFLEX CABLE