



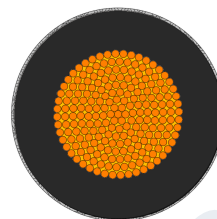
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1659 PTFE 250 C 600 V LEAD WIRE

Flexible high-temperature lead wire with PTFE insulation



APPLICATION

600 V PTFE lead wire for electronic and appliance applications, rated for continuous use up to 250 C.

KEY FEATURES

Parameter	Value
Application	Electronic and appliance wiring for continuous use up to 250 C
Voltage rating	600 V
Temperature rating	250 deg C
Protection	PTFE insulation with excellent chemical and fluid resistance

DESIGN

Parameter	Value
Conductor	Soft-annealed, nickel-plated copper
Insulation	Polytetrafluoroethylene (PTFE)
Performance	Flexible high-temperature lead wire with excellent durability
Construction	Available in a variety of insulation colors

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	600 V
Temperature rating	250 deg C
Insulation	Polytetrafluoroethylene (PTFE)
Conductor	Soft-annealed, nickel-plated copper
Standard	UL AWM Type 1659; CSA AWM I A/B, FT1
Application	Electronic and appliance applications
Chemical resistance	Excellent
Color	A variety of insulation colors available

TECHNICAL DATA

UL 1659 - DIMENSIONS AND WEIGHTS					
AWG	Stranding	Insulation thickness	Nominal O.D.	Approx. weight	Rating
24	19/36	0.020 in / 0.5 mm	0.068 in / 1.7 mm	4 lb / 7 kg/km	250 C
22	19/34	0.020 in / 0.5 mm	0.074 in / 1.9 mm	6 lb / 9 kg/km	250 C
20	19/32	0.020 in / 0.5 mm	0.083 in / 2.1 mm	8 lb / 12 kg/km	250 C
18	19/30	0.020 in / 0.5 mm	0.093 in / 2.4 mm	11 lb / 16 kg/km	250 C
16	19/29	0.020 in / 0.5 mm	0.099 in / 2.5 mm	13 lb / 19 kg/km	250 C
14	19/27	0.020 in / 0.5 mm	0.111 in / 2.8 mm	18 lb / 26 kg/km	250 C
12	19/25	0.020 in / 0.5 mm	0.130 in / 3.3 mm	26 lb / 39 kg/km	250 C
10	37/26	0.020 in / 0.5 mm	0.154 in / 3.9 mm	38 lb / 56 kg/km	250 C

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Soft-annealed, nickel-plated copper
Insulation	Polytetrafluoroethylene (PTFE)
Voltage rating	600 V
Temperature rating	250 deg C
Standards	UL AWM Type 1659; CSA AWM I A/B, FT1
Note	All dimensions and weights are nominal and subject to manufacturing tolerances

CERTIFICATIONS



TEBAOFLEX CABLE