



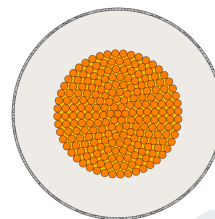
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1198 PTFE 150 C 600 V WIRE

High-temperature wire with PTFE insulation



APPLICATION

600 V PTFE insulated stranded wire for internal wiring of electronic and electrical equipment in demanding thermal, chemical and mechanical environments.

KEY FEATURES

Parameter	Value
Application	Approved stranded wire for internal wiring of electronic and electrical equipment
Voltage rating	600 V
Temperature rating	150 deg C
Protection	PTFE insulation with excellent chemical, oil and gasoline resistance

DESIGN

Parameter	Value
Conductor	Silver-plated copper, 7 or 19 strands; AWG 10: 37 strands; AWG 8: 133 strands
Insulation	Teflon PTFE
Performance	Excellent resistance to ozone, UV, humidity and temperature fluctuations
Construction	Non-flammable stranded high-temperature wire

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Operating voltage	600 V
Temperature range	-60 deg C to +150 deg C
Minimum bending radius	6 x outer diameter
Insulation	Teflon PTFE
Conductor	Silver-plated copper
Chemical resistance	Excellent resistance to chemicals, oil and gasoline
Environmental resistance	Excellent ozone, UV, humidity and thermal fluctuation resistance
Approvals	UL AWM Style 1198 150 deg C 600 V VW-1; CSA AWM I A/B 150 deg C 600 V FT1
Application	Internal wiring of electronic and electrical equipment

TECHNICAL DATA

UL 1198 - DIMENSIONS AND ELECTRICAL DATA				
AWG / stranding	Overall diameter mm	Copper kg/km	Weight kg/km	Voltage
28/7	1.47	0.90	1.70	600 V
26/7	1.60	1.40	2.30	600 V
26/19	1.60	1.40	2.30	600 V
24/7	1.73	2.20	3.20	600 V
24/19	1.73	2.20	3.20	600 V
22/7	1.88	3.40	4.40	600 V
22/19	1.88	3.40	4.40	600 V
20/7	2.11	6.00	7.00	600 V
20/19	2.11	6.00	7.00	600 V
18/19	2.36	8.30	10.60	600 V
16/19	2.59	13.00	17.40	600 V
14/19	2.92	21.00	27.00	600 V
12/19	3.40	33.00	42.00	600 V
10/37	4.04	51.00	66.00	600 V
8/133	5.85	83.00	102.00	600 V

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Silver-plated copper, stranded
Insulation	Extruded PTFE
Voltage rating	600 V
Temperature rating	150 deg C
Minimum bending radius	6 x outer diameter
Standards	UL AWM Style 1198 150 deg C 600 V VW-1; CSA AWM I A/B 150 deg C 600 V FT1
Note	Values are nominal; dimensions in mm; weight in kg/km

CERTIFICATIONS

