



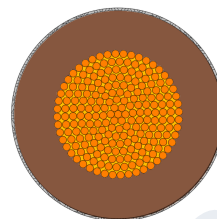
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1330 FEP 200 C 600 V WIRE

Flexible high-temperature wire with FEP insulation



APPLICATION

600 V FEP insulated wire for heaters, appliances, thermocouples, gas igniters and electrical or electronic components.

KEY FEATURES

Parameter	Value
Application	Wiring for heaters, appliances, thermocouples, gas igniters and electronic components
Voltage rating	600 V
Temperature rating	200 deg C
Protection	FEP fluoropolymer insulation with excellent chemical and fluid resistance

DESIGN

Parameter	Value
Conductor	Stranded tinned, annealed copper per ASTM B33
Insulation	Extruded FEP fluoropolymer
Performance	Flexible with low coefficient of friction and good mechanical strength
Construction	Available in all colors

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	600 V
Temperature rating	200 deg C
Insulation	Extruded FEP fluoropolymer
Conductor	Stranded tinned, annealed copper
Standard	UL AWM approvals as listed; CSA AWM I A/B 600 FT1 FT2
RoHS	Complies with European Directive 2015/863
Chemical resistance	Excellent
Application	Heaters, appliances, thermocouples, gas igniters and components

TECHNICAL DATA

UL 1330 - IMPERIAL DIMENSIONS AND WEIGHTS					
AWG / Kcmil	Strands	Insulation thickness	Approx. O.D.	Weight lb/1000 ft	Temp.
24	7	0.065 in	0.065 in	4	200 C
22	7	0.070 in	0.070 in	5	200 C
20	7	0.080 in	0.080 in	7	200 C
18	7	0.090 in	0.090 in	10	200 C
16	7	0.100 in	0.100 in	13	200 C
14	7	0.110 in	0.110 in	17	200 C
12	19	0.130 in	0.130 in	25	200 C
10	37	0.160 in	0.160 in	35	200 C
8	54	0.220 in	0.220 in	60	200 C
6	84	0.235 in	0.235 in	95	200 C
4	133	0.295 in	0.295 in	145	200 C
2	133	0.340 in	0.340 in	220	200 C
1	259	0.460 in	0.460 in	320	200 C
1/0	259	0.485 in	0.485 in	360	200 C
2/0	259	0.515 in	0.515 in	460	200 C
3/0	259	0.575 in	0.575 in	565	200 C
4/0	259	0.675 in	0.675 in	755	200 C

TECHNICAL DATA

UL 1330 - METRIC DIMENSIONS AND WEIGHTS					
AWG / Kcmil	Strands	Insulation thickness	Approx. O.D.	Weight lb/1000 ft	Temp.
24	7	0.51 mm	1.65 mm	6	200 C
22	7	0.51 mm	1.78 mm	7	200 C
20	7	0.51 mm	2.03 mm	10	200 C
18	7	0.51 mm	2.29 mm	15	200 C
16	7	0.51 mm	2.54 mm	19	200 C
14	7	0.51 mm	2.79 mm	25	200 C
12	19	0.51 mm	3.30 mm	37	200 C
10	37	0.51 mm	4.06 mm	52	200 C
8	54	0.76 mm	5.59 mm	89	200 C
6	84	0.76 mm	5.97 mm	141	200 C
4	133	0.76 mm	7.49 mm	216	200 C
2	133	0.76 mm	8.64 mm	327	200 C
1	259	1.14 mm	11.68 mm	476	200 C
1/0	259	1.14 mm	12.32 mm	536	200 C
2/0	259	1.14 mm	13.08 mm	685	200 C
3/0	259	1.14 mm	14.60 mm	841	200 C
4/0	259	1.14 mm	17.15 mm	1124	200 C

CONSTRUCTION AND APPLICATION NOTES

Parameter	Value
Conductor	Stranded tinned, annealed copper per ASTM B33
Insulation	Extruded FEP fluoropolymer
Voltage rating	600 V
Temperature rating	200 deg C
Standards	UL AWM approvals; CSA AWM I A/B 600 FT1 FT2
RoHS	Complies with European Directive 2015/863
Note	All dimensions and weights are nominal and subject to manufacturing tolerances

CERTIFICATIONS



TEBAOFLEX CABLE