



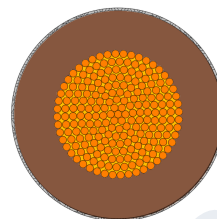
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1901 FEP 200 C 600 V LEAD WIRE

Flexible FEP insulated lead wire with compact diameter



APPLICATION

600 V FEP lead wire for further processing in cables where a smaller diameter than standard UL 1330 is required.

KEY FEATURES

Parameter	Value
Application	Further processing in cables where a smaller diameter than standard UL 1330 is required
Voltage rating	600 V
Temperature rating	200 deg C
Protection	FEP insulation with excellent chemical and fluid resistance

DESIGN

Parameter	Value
Conductor	Stranded tinned, annealed copper per ASTM B33
Insulation	Extruded FEP fluoropolymer
Performance	Flexible, low friction and good mechanical strength
Construction	Smaller diameter than standard UL 1330; 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 Type 1901; CSA AWM I A/B 600 FT1 FT2
RoHS	Complies with European Directive 2015/863
Chemical resistance	Excellent
Application	Cable processing and electrical or electronic components

TECHNICAL DATA

UL 1901 - DIMENSIONS AND WEIGHTS - PART 1					
AWG / Kcmil	Strands	Insulation thickness	Approx. O.D.	Weight lb/1000 ft / kg/km	Temp.
24	7	15 mil / 0.055 in	1.40 mm / 0.055 in	4 / 6	200 C
22	7	15 mil / 0.060 in	1.52 mm / 0.060 in	5 / 7	200 C
20	7	15 mil / 0.070 in	1.78 mm / 0.070 in	7 / 10	200 C
18	7	15 mil / 0.080 in	2.03 mm / 0.080 in	10 / 15	200 C
16	7	15 mil / 0.090 in	2.29 mm / 0.090 in	12 / 18	200 C
14	7	15 mil / 0.100 in	2.54 mm / 0.100 in	16 / 24	200 C
12	19	15 mil / 0.120 in	3.05 mm / 0.120 in	24 / 36	200 C
10	37	15 mil / 0.150 in	3.81 mm / 0.150 in	32 / 48	200 C
8	54	20 mil / 0.200 in	5.08 mm / 0.200 in	55 / 82	200 C

TECHNICAL DATA

UL 1901 - DIMENSIONS AND WEIGHTS - PART 2					
AWG / Kcmil	Strands	Insulation thickness	Approx. O.D.	Weight lb/1000 ft / kg/km	Temp.
6	84	20 mil / 0.235 in	5.97 mm / 0.235 in	85 / 126	200 C
4	133	20 mil / 0.280 in	7.11 mm / 0.280 in	130 / 193	200 C
2	133	20 mil / 0.325 in	8.25 mm / 0.325 in	195 / 290	200 C
1	259	30 mil / 0.430 in	10.92 mm / 0.430 in	290 / 432	200 C
1/0	259	30 mil / 0.460 in	11.68 mm / 0.460 in	320 / 476	200 C
2/0	259	30 mil / 0.485 in	12.32 mm / 0.485 in	430 / 640	200 C
3/0	259	30 mil / 0.545 in	13.84 mm / 0.545 in	605 / 900	200 C
4/0	259	30 mil / 0.645 in	16.38 mm / 0.645 in	705 / 1049	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 Type 1901; CSA AWM I A/B 600 FT1 FT2
RoHS	Complies with European Directive 2015/863
Note	Dimensions and weights are nominal and subject to manufacturing tolerances

CERTIFICATIONS

