



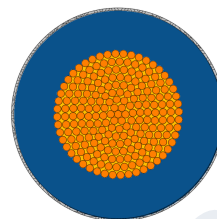
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 1333 FEP 150 C 300 V WIRE

Flexible FEP insulated wire for electrical and electronic use



APPLICATION

300 V FEP insulated wire for home appliances, lighting lamps, small motors, temperature sensors and electronic equipment.

KEY FEATURES

Parameter	Value
Application	Home appliances, lighting, small motors, sensors and electronic equipment
Voltage rating	300 V
Temperature range	-80 C to 200 C / 150 C
Protection	FEP Teflon insulation with strong chemical resistance

DESIGN

Parameter	Value
Conductor	Tinned copper
Insulation	FEP Teflon fluoropolymer
Performance	Flexible wire with low friction and good electrical properties
Construction	Available in multiple insulation colors

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	300 V
Temperature range	-80 C to 200 C / 150 C
Insulation	FEP Teflon
Conductor	Tinned copper
O.D. tolerance	+/- 0.1 mm
Color	Red, black, yellow, green, blue, white, purple, brown, orange, gray and transparent
Application	Home appliances, lamps, motors, sensors and electronic equipment

TECHNICAL DATA

UL 1333 - DIMENSIONS AND ELECTRICAL PROPERTIES - PART 1						
AWG	Conductor stranding	Cond. dia. mm	Insulation thickness	Approx. O.D. mm	Resistance ohm/km	Temp.
10	37 x 0.43	3.01	0.33	3.67	3.546	150 C
12	19 x 0.49	2.45	0.33	3.11	5.64	150 C
14	19 x 0.37	1.85	0.33	2.51	8.96	150 C
16	19 x 0.30	1.50	0.33	2.16	14.6	150 C
17	19 x 0.26	1.30	0.33	1.96	18.3	150 C
18	19 x 0.23	1.15	0.33	1.81	23.2	150 C
20	19 x 0.18	0.90	0.33	1.56	36.7	150 C
20	1 x 0.80	0.80	0.33	1.46	35.2	150 C
22	19 x 0.16	0.80	0.33	1.46	59.4	150 C

TECHNICAL DATA

UL 1333 - DIMENSIONS AND ELECTRICAL PROPERTIES - PART 2						
AWG	Conductor stranding	Cond. dia. mm	Insulation thickness	Approx. O.D. mm	Resistance ohm/km	Temp.
22	1 x 0.65	0.65	0.33	1.31	56.4	150 C
24	7 x 0.20	0.60	0.33	1.26	94.2	150 C
24	1 x 0.50	0.50	0.33	1.16	89.3	150 C
26	7 x 0.16	0.48	0.33	1.14	150.0	150 C
26	1 x 0.40	0.40	0.33	1.06	143.0	150 C
28	7 x 0.12	0.36	0.33	1.02	239.0	150 C
28	1 x 0.32	0.32	0.33	0.98	227.0	150 C
30	7 x 0.10	0.30	0.33	0.96	381.0	150 C
30	1 x 0.254	0.254	0.33	0.914	361.0	150 C

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Tinned copper
Insulation	FEP Teflon fluoropolymer
Voltage rating	300 V
Temperature range	-80 C to 200 C / 150 C
Standards	UL 1333 / UL 1332 style FEP wire
O.D. tolerance	+/- 0.1 mm
Note	All dimensions and electrical values are nominal

CERTIFICATIONS



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