



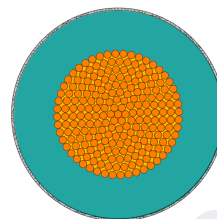
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 3132 SILICONE 150 C 300 V WIRE

Flexible silicone rubber insulated appliance wire



APPLICATION

300 V silicone rubber wire for internal wiring of totally enclosed appliances and electronic equipment, rated for continuous use up to 150 C.

KEY FEATURES

Parameter	Value
Application	Internal wiring of totally enclosed appliances and electronic equipment
Voltage rating	300 V
Temperature rating	150 deg C
Protection	Silicone rubber insulation with good heat, cold and weather resistance

DESIGN

Parameter	Value
Conductor	Tinned or bare copper strands
Insulation	Silicone rubber
Performance	Good elasticity, softness, flame retardancy and flexibility
Construction	Cold extrusion or high-temperature vulcanization

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	300 V
Temperature rating	150 deg C
Insulation	Silicone rubber
Conductor	Tinned or bare copper
Standard	UL AWM Style 3132; UL758-2010; UL1581-2009
Flame rating	FT2
Environmental	RoHS/REACH compliant; odorless and non-toxic
Application	Internal wiring of enclosed appliances

TECHNICAL DATA

UL 3132 - DIMENSIONS AND ELECTRICAL DATA					
AWG	Stranding	Cond. dia. mm	Insul. thickness	Overall dia. mm	Resistance ohm/km
16	7/0.49	1.50	0.40 / 0.33	2.30	14.60
18	7/0.39	1.19	0.40 / 0.33	1.97	23.20
20	7/0.30	0.92	0.46 / 0.33	1.85	36.70
22	17/0.16	0.76	0.46 / 0.33	1.70	59.40
22	7/0.254	0.76	0.46 / 0.33	1.70	59.40
22	1/0.65	0.65	0.46 / 0.33	1.57	56.40
24	133/0.05	0.67	0.40 / 0.33	1.47	94.20
24	19/0.12	0.60	0.40 / 0.33	1.40	94.20
24	11/0.16	0.61	0.40 / 0.33	1.41	94.20
24	7/0.20	0.61	0.40 / 0.33	1.41	94.20
24	1/0.51	0.51	0.40 / 0.33	1.31	89.30
26	7/0.16	0.48	0.40 / 0.33	1.28	150.00
26	1/0.40	0.40	0.40 / 0.33	1.20	143.00
28	7/0.127	0.38	0.40 / 0.33	1.18	239.00
30	7/0.10	0.30	0.40 / 0.33	1.10	381.00

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Tinned or bare copper strands
Insulation	Silicone rubber
Voltage rating	300 V
Temperature rating	150 deg C
Standards	UL AWM Style 3132; UL758; UL1581; FT2
Environment	RoHS/REACH compliant
Note	Overall diameter values are nominal and subject to manufacturing tolerances

CERTIFICATIONS



TEBAOFLEX CABLE