



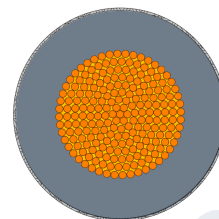
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 3266 XLPE 125 C 300 V WIRE

Low-smoke, non-halogen appliance wire



APPLICATION

300 V XLPE wire for internal wiring of appliances and electronic equipment, rated for continuous use up to 125 C.

KEY FEATURES

Parameter	Value
Application	Internal wiring of appliances and electronic equipment
Voltage rating	300 V
Temperature rating	125 deg C
Protection	XLPE insulation with low smoke and non-halogen construction

DESIGN

Parameter	Value
Conductor	Tinned, bare or top-coated copper strands
Insulation	XLPE insulation
Performance	Excellent thermal stability and chemical resistance
Construction	Can be twisted pair or multi-core

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	300 V
Temperature rating	125 deg C
Insulation	XLPE
Conductor	Tinned, bare or top-coated copper
Standard	UL AWM Style 3266; UL758-2010; UL1581-2009
Flame rating	VW-1 and FT2
Environmental	Low smoke, non-halogen; RoHS/REACH compliant
Application	Internal wiring of appliances

TECHNICAL DATA

UL 3266 - DIMENSIONS AND ELECTRICAL DATA - PART 1					
AWG	Stranding	Cond. dia. mm	Insul. thickness	Overall dia. mm	Resistance ohm/km
10	105/0.254	3.00	0.50 / 0.33	4.00	3.54
10	37/0.42	2.95	0.50 / 0.33	3.95	3.54
12	65/0.254	2.36	0.50 / 0.33	3.40	5.64
14	41/0.254	1.88	0.50 / 0.33	2.90	8.96
16	19/0.30	1.50	0.40 / 0.33	2.30	14.60
16	26/0.254	1.50	0.40 / 0.33	2.30	14.60
18	41/0.16	1.18	0.40 / 0.33	2.00	23.20
18	34/0.18	1.21	0.40 / 0.33	2.00	23.20
18	19/0.235	1.18	0.40 / 0.33	2.00	23.20
18	16/0.254	1.18	0.40 / 0.33	2.00	23.20
18	1/1.02	1.02	0.40 / 0.33	1.82	23.20
20	21/0.18	0.95	0.40 / 0.33	1.75	36.70

TECHNICAL DATA

UL 3266 - DIMENSIONS AND ELECTRICAL DATA - PART 2					
AWG	Stranding	Cond. dia. mm	Insul. thickness	Overall dia. mm	Resistance ohm/km
20	19/0.19	0.95	0.40 / 0.33	1.75	36.70
20	1/0.813	0.813	0.40 / 0.33	1.61	36.70
22	19/0.15	0.75	0.40 / 0.33	1.55	59.40
22	17/0.16	0.76	0.40 / 0.33	1.56	59.40
22	7/0.254	0.76	0.40 / 0.33	1.56	59.40
22	1/0.65	0.65	0.40 / 0.33	1.45	56.40
24	11/0.16	0.61	0.40 / 0.33	1.41	94.20
24	19/0.12	0.60	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
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, bare or top-coated copper strands
Insulation	XLPE insulation
Voltage rating	300 V
Temperature rating	125 deg C
Standards	UL AWM Style 3266; UL758; UL1581; VW-1; FT2
Environment	Low smoke, non-halogen; RoHS/REACH compliant
Note	Dimensions are nominal and subject to manufacturing tolerances

CERTIFICATIONS

