



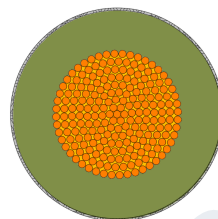
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UL 3287 XLPE 105 C 600 V WIRE

Low-smoke, non-halogen appliance wire



APPLICATION

600 V XLPE wire for internal wiring of appliances and electronic equipment, rated for continuous use up to 105 C.

KEY FEATURES

Parameter	Value
Application	Internal wiring of appliances and electronic equipment
Voltage rating	600 V
Temperature rating	105 deg C
Protection	XLPE insulation with low smoke, non-halogen construction

DESIGN

Parameter	Value
Conductor	Solid or stranded copper
Insulation	XLPE insulation
Performance	Excellent thermal stability and chemical resistance
Construction	Single-core appliance wire

ELECTRICAL, THERMAL, MECHANICAL AND MATERIAL DATA

Parameter	Value
Voltage rating	600 V
Temperature rating	105 deg C
Insulation	XLPE
Conductor	Solid or stranded copper
Standard	UL AWM Style 3287; UL758; UL1581
Flame rating	Horizontal flame; FT2
Environmental	Low smoke, non-halogen; RoHS/REACH compliant
Application	Internal wiring of appliances

TECHNICAL DATA

UL 3287 - DIMENSIONS AND ELECTRICAL DATA					
AWG	Stranding	Cond. dia. mm	Insul. thickness	Overall dia. mm	Resistance ohm/km
10	105/0.254	3.01	0.82	4.65 +/- 0.1	3.54
12	65/0.254	2.37	0.82	4.01 +/- 0.1	5.64
14	41/0.254	1.88	0.82	3.52 +/- 0.1	8.96
16	26/0.254	1.50	0.82	3.14 +/- 0.1	14.60
18	34/0.18	1.21	0.82	2.86 +/- 0.1	23.20
20	21/0.18	0.95	0.82	2.60 +/- 0.1	36.70
22	17/0.16	0.76	0.82	2.41 +/- 0.1	59.40
24	11/0.16	0.62	0.82	2.26 +/- 0.1	94.20
26	7/0.16	0.39	0.82	2.13 +/- 0.1	150.00
28	7/0.127	0.49	0.82	2.03 +/- 0.1	239.00
30	7/0.10	0.31	0.82	1.95 +/- 0.1	381.00

CONSTRUCTION AND APPLICATION NOTES	
Parameter	Value
Conductor	Solid or stranded copper
Insulation	XLPE 0.82 mm
Voltage rating	600 V
Temperature rating	105 deg C
Standards	UL AWM Style 3287; UL758; UL1581; FT2
Environment	Low smoke, non-halogen; RoHS/REACH compliant
Note	Dimensions are nominal and subject to manufacturing tolerances

CERTIFICATIONS



TEBAOFLEX CABLE