



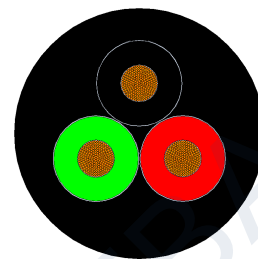
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

UNDERGROUND LIGHTING CABLE

110 V flexible insulated cable for underground mine lighting



APPLICATION

Flexible insulated cable for use in mine lighting systems and other underground mining applications. The cable provides flexible copper conductors, flame-retardant polyolefin insulation and an extra-tough TPU jacket for the underground mining environment, with optional full copper braid shielding.

CONSTRUCTION

Component	Description
Power conductors	Extra-flexible stranded copper conductors manufactured to ASTM B-174
Cross-section	Round-shaped cable construction for underground mining lighting circuits
Insulation	Chemically cross-linked, non-chlorinated thermosetting flame-retardant polyolefin
Outer jacket	Extra-tough thermoplastic polyurethane (TPU) jacket
Shielding option	Full copper braid shielding available upon request
Jacket colour	Black standard; orange optional

CHARACTERISTICS

- Flexible insulated cable for mine lighting systems and other underground mining applications.
- Extra-tough TPU jacket for the physical demands of underground mining.
- Chemically cross-linked, non-chlorinated, flame-retardant polyolefin insulation.
- Available with full copper braid shielding upon request.
- Available in 2 to 9 conductors and 110 V rating.

TECHNICAL INFORMATION

Parameter	Unit	Value
Cable type		Underground lighting cable
Number of conductors		2 to 9
Rated voltage	V	110
Temperature rating	°C	+90
Conductor standard		ASTM B-174
Shielding option		Full copper braid upon request
Diameter tolerance		+/- 5% of nominal outside diameter

TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

Nominal construction dimensions, cable weight and current-carrying capacity from the supplied Word tables.

Size AWG / conductors	Number of conductors	Diameter over insulation in	Overall diameter in	Weight lb/ft	Part number
UNDERGROUND LIGHTING CABLE - 110 V					
18 / 2	2	0.115	0.440	0.087	36-202-118
18 / 3	3	0.115	0.460	0.100	36-203-118
18 / 4	4	0.115	0.488	0.116	36-204-118
18 / 5	5	0.115	0.520	0.135	36-205-118
18 / 6	6	0.115	0.560	0.156	36-206-118
18 / 7	7	0.115	0.560	0.163	36-207-118
18 / 8	8	0.115	0.640	0.198	36-208-118
18 / 9	9	0.115	0.660	0.215	36-209-118
16 / 2	2	0.125	0.460	0.106	36-202-116
16 / 3	3	0.125	0.480	0.114	36-203-116
16 / 4	4	0.125	0.512	0.134	36-204-116
16 / 5	5	0.125	0.550	0.158	36-205-116
16 / 6	6	0.125	0.590	0.183	36-206-116
16 / 7	7	0.125	0.590	0.191	36-207-116
16 / 8	8	0.125	0.670	0.225	36-208-116
16 / 9	9	0.125	0.690	0.247	36-209-116

NOTES

- Imperial values are reproduced from the supplied specification table.
 - The supplied specification lists cable dimensions and weight; ampacity is not specified.
- Tolerance: +/- 5% of nominal outside diameter.
 - Final cable selection must consider installation method, ambient conditions and applicable regulations.

TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

Nominal construction dimensions, cable weight and current-carrying capacity from the supplied Word tables.

Size AWG / conductors	Number of conductors	Diameter over insulation in	Overall diameter in	Weight lb/ft	Part number
UNDERGROUND LIGHTING CABLE - 110 V					
14 / 2	2	0.140	0.490	0.119	36-202-114
14 / 3	3	0.140	0.510	0.138	36-203-114
14 / 4	4	0.140	0.550	0.166	36-204-114
14 / 5	5	0.140	0.588	0.195	36-205-114
14 / 6	6	0.140	0.630	0.225	36-206-114
14 / 7	7	0.140	0.630	0.238	36-207-114
14 / 8	8	0.140	0.720	0.278	36-208-114
14 / 9	9	0.140	0.755	0.302	36-209-114
12 / 2	2	0.160	0.526	0.148	36-202-112
12 / 3	3	0.160	0.555	0.177	36-203-112
12 / 4	4	0.160	0.596	0.213	36-204-112
12 / 5	5	0.160	0.642	0.254	36-205-112
12 / 6	6	0.160	0.690	0.297	36-206-112
12 / 7	7	0.160	0.690	0.316	36-207-112
12 / 8	8	0.160	0.770	0.388	36-208-112
12 / 9	9	0.160	0.815	0.426	36-209-112

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TECHNICAL DATA

DIMENSIONS, WEIGHT AND AMPACITY

Nominal construction dimensions, cable weight and current-carrying capacity from the supplied Word tables.

Size AWG / conductors	Number of conductors	Diameter over insulation in	Overall diameter in	Weight lb/ft	Part number
UNDERGROUND LIGHTING CABLE - 110 V					
10 / 2	2	0.180	0.570	0.186	36-202-110
10 / 3	3	0.180	0.598	0.226	36-203-110
10 / 4	4	0.180	0.645	0.276	36-204-110
10 / 5	5	0.180	0.698	0.331	36-205-110
10 / 6	6	0.180	0.750	0.401	36-206-110
10 / 7	7	0.180	0.750	0.462	36-207-110
10 / 8	8	0.180	0.835	0.519	36-208-110
10 / 9	9	0.180	0.875	0.626	36-209-110

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CERTIFICATIONS

