



UL 62 / CSA C22.2 No. 49 North American Thermoplastic & TPE Portable Cords

Bus Drop Cable

600 V UL / NEC Art. 368 overhead busway-to-machine drop cable (3 phases + 3 split bare gro



600 V UL / NEC Art. 368.56(B)

3 Phase Cores + 3 Split Bare Grounds

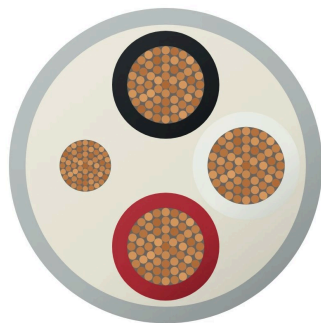
14 AWG to 2 AWG Machine Drops

Application

Bus Drop Cable is a specialized 600 V overhead branch power cable engineered to UL 44 / UL 62 and NEC Article 368.56(B) for connecting plug-in overhead busway switches directly to industrial machine tools on the factory floor. It features three flexible strand

Typical uses: Automotive assembly & machining plants, Overhead plug-in busway drops, CNC machine tools & presses, Reconfigurable factory workcells, Industrial switchgear & disconnects

Construction



Cross-section, not to scale

1	3 × flexible stranded copper phase cores	UL 62
2	Heat & moisture-resistant PVC + Nylon skin	UL 44
3	3 × bare split copper ground conductors	UL 62
4	Oil & sunlight-resistant PVC outer jacket	UL 62

Technical data

Typical values

Rated voltage	600 V AC rms	Dielectric withstand test	2.0 kV AC rms for 1 minute
Ground path architecture	3 symmetrical bare copper interstice grounds (combined area per UL 62 Table)	Continuous operating temperature	+90 °C dry / +75 °C wet or oil (Oil Resistant I @ 60 °C / Oil II @ 75 °C)
Low-temperature rating	-25 °C / -40 °C cold bend	Interstice geometry	True circular triad without bulky 4th-core ovality; high pullout resistance in mesh grips
Minimum bending radius	6 × overall cable diameter	Oil & coolant resistance	UL Oil Resistant I (60 °C) & Oil Resistant II (75 °C) + Nylon hydrocarbon barrier
Flame & sunlight resistance	UL 1581 VW-1, CSA FT1 / FT4 flame & UL sunlight resistant	Standards	UL 62, UL 44, CSA C22.2 No. 49 & NEC Article 368.56(B)

Sizes

7 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Designation	3 Phase + 3 Split Ground	Ground AWG / Amps	Nom. OD mm	Copper kg/km	Total mass ≈ kg/km	Min. bend R mm
Bus Drop Cable size schedule 7 sizes						
☐ Bus Drop 14/3	3 × 14 AWG + 3G	3×18 AWG Gd · 20 A	9.40	68.0	138.0	56.4
☐ Bus Drop 12/3	3 × 12 AWG + 3G	3×16 AWG Gd · 25 A	10.67	108.0	195.0	64.0
☐ Bus Drop 10/3	3 × 10 AWG + 3G	3×14 AWG Gd · 35 A	12.19	172.0	285.0	73.1
☐ Bus Drop 8/3	3 × 8 AWG + 3G	3×14 AWG Gd · 50 A	15.24	248.0	415.0	91.4
☐ Bus Drop 6/3	3 × 6 AWG + 3G	3×12 AWG Gd · 65 A	17.53	395.0	610.0	105.2
☐ Bus Drop 4/3	3 × 4 AWG + 3G	3×12 AWG Gd · 85 A	20.83	602.0	890.0	125.0
☐ Bus Drop 2/3	3 × 2 AWG + 3G	3×10 AWG Gd · 115 A	23.88	955.0	1,340.0	143.3

– Dimensions and tolerances conform to UL 44 / UL 62 / CSA C22.2 No. 49 / NEC Art. 368.

Electrical data

7 sizes

3 Phase + 3 Split Ground	Max. DC R @ 20 °C Ω/km	Current in air A	Installed / duty A
3 × 14 AWG + 3G	8.450	20	16
3 × 12 AWG + 3G	5.310	25	20
3 × 10 AWG + 3G	3.340	35	28
3 × 8 AWG + 3G	2.100	50	40
3 × 6 AWG + 3G	1.320	65	52
3 × 4 AWG + 3G	0.830	85	68
3 × 2 AWG + 3G	0.520	115	92

– Reference ampacities at +30 °C ambient; apply duty-cycle or grouping correction factors per standard.

Standards and approvals

- ✓ UL Listed Bus Drop Cable (600 V)
- ✓ NEC Article 368.56(B) Compliant
- ✓ CSA Certified C22.2 No. 49 (FT1 / FT4)
- ✓ UL Oil Resistant I & II
- ✓ RoHS 3 Compliant

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/bus-drop-cable



Typical values for this cable type, based on UL 44 / UL 62 / CSA C22.2 No. 49 / NEC Art. 368. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.