



UL 1680 Type SC / CSA PPC stage cable

Type SC / CSA PPC

UL Type SC / CSA PPC Entertainment Stage

UL 1680 Type SC / CSA PPC 600 V (–40 to +105 °C) Class K entertainment stage feeder



UL 1680 Type SC & CSA PPC

NEC Art. 520 & 530 · 600 V 105 °C

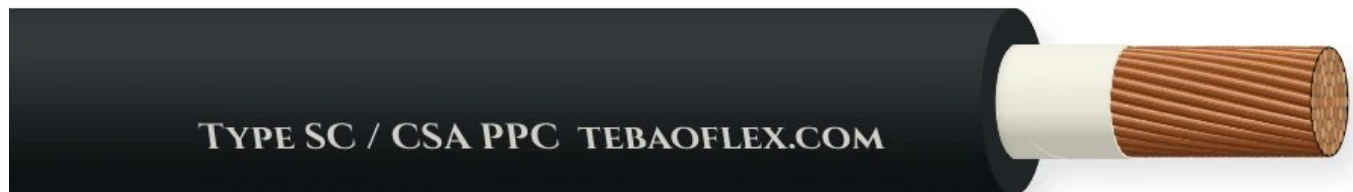
Class K (30 AWG) · Cam-Lok Feeder

Application

The North American entertainment industry's benchmark single-conductor Cam-Lok feeder cable (UL Type SC / CSA Type PPC) listed to UL 1680 and CSA C22.2 No. 96 (#6 AWG to 4/0 AWG) with ultra-limp 30 AWG Class K rope-lay bare copper and thermoset 105 °C.

Typical uses: Concert Touring, Arena & Festival Power Distros, Motion Picture, Television & Soundstage Lighting (NEC 530), Theatre & Performing Arts Dimmer Rack Feeders (NEC 520), Mobile Broadcast OB Trucks & Event Generator Packages

Construction



Cross-section, not to scale

- 1 Ultra-flexible Class K rope-lay annealed bare copper
- 2 Easy-strip separator tape
- 3 Thermoset EPDM / CPE elastomer insulation-jacket

Technical data

Typical values

Rated operating voltage	600 V AC / DC rms	Free-air ampacity (NEC Table)	105 A (6 AWG) · 190 A (2 AWG) · 300 A (2/0 AWG) · 405 A (4/0 AWG)
Factory AC dielectric & spark test	3.0 kV AC water-tank dielectric test + 100 % dry spark test	Temperature rating	−40 °C to +105 °C dry · +75 °C wet · +250 °C short-circuit
Thermal cycling & overload stability	Verified thermal ageing and short-circuit withstand per standard	Conductor stranding class	ASTM Class K (30 AWG / 0.254 mm individual wires in rope-lay bundles)
Minimum bending radius	5 × OD (dynamic coiling & stage routing)	Flame, oil, sunlight & water resistance	UL VW-1 / CSA FT1 / FT2 flame, Oil Res I, 720 h Sunlight Res & 75 °C Wet
Environmental & chemical durability	Resistant to moisture, industrial fluids and service ageing	Standards	c(UL)us UL 1680 Type SC, CSA C22.2 No. 96 Type PPC, NEC Art. 520, 525 & 530

Sizes

8 standard constructions

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

Order designation	AWG · Stranding	Rating	Outer Ø ≈ mm	Copper kg/km	Weight ≈ kg/km	Free air 90°C A	Min. bend R mm
UL 1680 Type SC / CSA PPC 600 V 105 °C Single-Core Stage Feeder Cables 8 sizes							
☐ Type SC / CSA PPC 1×6 AWG	6 AWG (13.3 mm²) · 266/30	600 V	10.7	122	195	105	54
☐ Type SC / CSA PPC 1×4 AWG	4 AWG (21.2 mm²) · 420/30	600 V	12.4	194	285	140	62
☐ Type SC / CSA PPC 1×2 AWG	2 AWG (33.6 mm²) · 665/30	600 V	14.2	308	425	190	71
☐ Type SC / CSA PPC 1×1 AWG	1 AWG (42.4 mm²) · 836/30	600 V	15.7	388	525	220	78
☐ Type SC / CSA PPC 1×1/0 AWG	1/0 AWG (53.5 mm²) · 1064/30	600 V	17.0	490	645	260	85
☐ Type SC / CSA PPC 1×2/0 AWG	2/0 AWG (67.4 mm²) · 1330/30	600 V	18.5	618	795	300	92
☐ Type SC / CSA PPC 1×3/0 AWG	3/0 AWG (85.0 mm²) · 1672/30	600 V	20.3	779	985	350	102
☐ Type SC / CSA PPC 1×4/0 AWG	4/0 AWG (107 mm²) · 2109/30	600 V	22.1	982	1,220	405	110

– Also available as pre-terminated 25 ft, 50 ft and 100 ft 5-wire sets with Series 16 (E1016) male/female Cam-Lok connectors.

Standards and approvals

- ✓ c(UL)us UL 1680 Type SC & CSA C22.2 No. 96 PPC Listed
- ✓ NEC Articles 520, 525 & 530 / CEC Compliant
- ✓ 105 °C Dry / 75 °C Wet / -40 °C Cold Rated

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/ul-type-sc-csa-ppc-entertainment-stage-lighting-and-portable-power-feeder-cable



Typical values for this cable type, based on UL 1680 / CSA C22.2 No. 96 / NEC Articles 520, 525 & 530. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.