

STAGE AND LIGHTING CABLE

TEMPERATURE RATING:

-40°C to +105°C
(UL Tested to -30°C to +90°C)

CONSTRUCTION:

Rope stranded copper conductor with a colored safety separator. Insulation is composed of water, acid, ozone, and chemical resistant elastomer rubber compound.

SAMPLE PRINT:

TRYSTAR AWG 2 UL
TRYSTAR.COM MADE
IN USA ><FT

USE:

Designed for use in motion picture, television studios, theaters, and similar locations.

DESCRIPTION:

Trystar brand UL (2000V)/C(UL) 600V listed stage & lighting entertainment cable (E-234353 UL: E-204219 C(UL)) displays excellent durability and flexibility under the most challenging operating conditions. It is furnished with a 30 ga. extra flexible Class K (ASTM-B) bare, annealed electrolytic copper. A water-resistant safety insulator separates the outer sheath, which is composed of a -49°C to +105°C tested to -30°C to +90°C elastomer compound (FT-5). The cable is RoHS compliant and will withstand abrasion, extreme temperatures, and long periods of immersion in water, oil, or acid. It is UL rated at 600 volts for Type SCE and it is C(UL) rated at 600 volts for Type PPC/TPE. Special care and consideration was given in the manufacturing of this product to provide long-term, quality performance at all operating temperatures. 75°C wet is based on immersion of the cables. For use in accordance with NEC Articles 520, 530, and CEC. Passes vertical flame test per UL854 (service entrance cable). Listed for indoor and outdoor use.

| Size (AWG) | Stranding # / Construction | Conductor Nominal OD (in) | Nominal Finished OD (in) | Approx. Weight (lbs. / M ft.) | Ampacity* |
|------------|----------------------------|---------------------------|--------------------------|-------------------------------|-----------|
| 8 | 168 (7x24/30) | 0.15 | 0.485 | 122 | 80 |
| 6 | 266 (7x38/30) | 0.192 | 0.525 | 155 | 105 |
| 4 | 420 (7x60/30) | 0.252 | 0.582 | 205 | 140 |
| 2 | 665 (7x95/30) | 0.32 | 0.65 | 295 | 190 |
| 1 | 836 (19x44/30) | 0.36 | 0.725 | 390 | 220 |
| 1/0 | 1064 (19x56/30) | 0.397 | 0.775 | 460 | 260 |
| 2/0 | 1330 (19x70/30) | 0.46 | 0.82 | 585 | 300 |
| 3/0 | 1691 (19x89/30) | 0.51 | 0.88 | 720 | 350 |
| 4/0 | 2109 (19x111/30) | 0.58 | 0.965 | 870 | 405 |

507.333.3990

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TEMPERATURE CORRECTION FACTORS***

ADJUSTMENT FOR MORE THAN THREE CURRENT CARRYING CONDITIONS

*The values listed above are based upon ambient temperature @ 30°C (86°F). Values are for single conductors, where the individual conductor is not installed in raceways or physical contact with each other except in lengths not exceeding 24.0 inches.

**For ambient temperatures other than 30°C (86°F) multiply the allowable ampacities stated above by the appropriate conversion factor.

***Indented into sheath as follows:
“(UL) TYPE PPE 90°C DRY 75°C WET SUN RES 2000V E204219 P-07-KA070022-MSHA AWG ”CABLE SIZE” C(UL) PPC/TPE FT5 90°C SUN RES 600V”. Trystar Portable Power Cable is listed for use in accordance with article 400 of the National Electric Code.

| Ambient Temp °C | Factor | Ambient Temp °F | Number of Conductors | Temperature Adjustment |
|-----------------|--------|-----------------|--|------------------------|
| 21-25 | 1.04 | 70-77 | 4-6 | 80% |
| 26-30 | 1 | 78-86 | 7-9 | 70% |
| 31-35 | .96 | 87-95 | 10-20 | 50% |
| 36-40 | .91 | 96-104 | 21-30 | 45% |
| 41-45 | .87 | 105-113 | 31-40 | 40% |
| 46-50 | .82 | 114-122 | 41+ | 35% |
| 51-55 | .76 | 123-131 | DERATING FOR CONDUIT OR TRAY APPLICATION | |
| 56-60 | .71 | 132-140 | | |
| 61-65 | .58 | 141-158 | | |
| 71-80 | .41 | 159-176 | | |