

PORTABLE POWER CABLE

Entertainment Cable

TYPE SC - STAGE & LIGHTING CABLE • 600 VOLTS • 105°C • -35°C

FEATURES

- UL listed Type SC per NEC Article 520 and 530, indoor and outdoor locations
- Meets VW-1, MSHA and IEEE 383 flame tests
- Excellent flexibility
- Excellent resistance to oil, solvents, ozone, aging and abrasion
- **Suitable for continuous submersion in water**

APPLICATIONS

Portable power and lighting applications in the entertainment industry including motion picture, television, theatres, stage and similar locations.

CONSTRUCTION

Flexible stranding (30 AWG) annealed bare copper, separator, oil resistant thermoset jacket (black).

Cable Identification

Indent print on cable surface:

"(size) AWG Type SC 105°C 600V Oil Res. 60°C Water Resistant Max Amps NEC Table 400-5 (B) for 90°C (UL) — CSA -50°C Type PPC Stage Lighting Cable 90°C FT5"

Flexible 30 AWG Stranding,
Annealed Bare Copper



PART NUMBER	AWG SIZE	STRANDING	NOMINAL O.D.	AMPS ¹	SHIP WT. LBS./M FT.
05-0839	8	164x30	.335	80	150
05-0841	6	259x30	.390	105	210
05-0843	4	413x30	.450	140	290
05-0845	2	651x30	.515	190	393
05-0847	1/0	1050x30	.650	260	595
05-0849	2/0	1308x30	.655	300	696
05-0851	4/0	2090x30	.795	405	1032
90°C Rated Green CPE Insulation (UL only)					
05-0853	6	266x30	.365	105	163

¹Based on 30°C ambient temperature in air, 90°C conductor temperature per Table 400-5 (B) of the 1996 NEC.

Type W Magnet Crane Cable

8 AWG - 500 MCM • 600/2000V

FEATURES

- ASTM B-33
- ASTM D-2802
- MSHA P-184
- Heavy duty
- Qualified for reeling
- Flame Resistance: FT-4
- ICEA S-95-658
- NEMA WC-70
- UL listed type W
- UL listed type TC
- Branded

APPLICATIONS

W 600-2000 Volt 2 conductor cables can be used for heavy duty or temporary power supply service, AC or DC, to mobile or fixed position machinery of all types. They are recommended for installations where long flex life, great flexibility and wearability are desired. They may be installed in air, in ducts, immersed in water or directly buried in the earth. They are not UL Type USE.

CONSTRUCTION

Conductors

Bunched strands of coated copper annealed dead soft per ASTM B3. Strandings other than those listed in the chart are available upon special order.

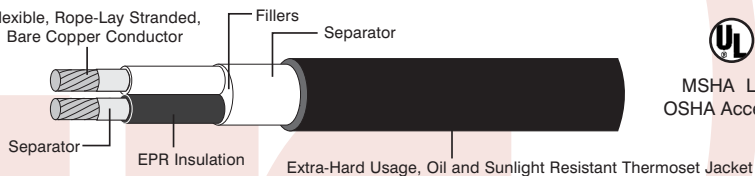
Identification

At intervals complete identifying data are branded into the jacket with indented or embossed letters that are highly resistant to scuffing.

Ampacity

Ampacity is calculated with a 90°C conductor temperature and 30°C ambient air, per 2008 NEC, Table 400.5(B).

Flexible, Rope-Lay Stranded,
Bare Copper Conductor



MSHA Listed
OSHA Acceptable

PART NUMBER	SIZE AWG	STRANDING	NOMINALS (INCHES)			AMPACITY 90°C	SHIP WT. LBS./M FT.
			INS.	JACKET	O.D.		
TWO CONDUCTOR ROUND W							
05-0749	8	133	.060	.109	0.830	74	369
05-0751	6	133	.060	.109	0.960	99	518
05-0753	4	133	.060	.109	1.080	130	715
05-0755	2	259	.060	.141	1.280	174	1045
05-0757	1/0	266	.080	.156	1.560	234	1464
05-0759	2/0	342	.080	.156	1.660	271	1788
05-0761	4/0	532	.080	.172	1.973	361	2530
05-0763	250	627	.095	.165	2.100	402	2664
05-0765	350	888	.095	.176	2.360	495	3854
05-0767	500	1221	.095	.214	2.700	613	5191

Separator

A suitable separator provides for easy stripping of insulation

Insulation

Heat resisting 90°C Ethylene Propylene Rubber (EPR), per ICEA S-95-658 and ASTM D-2802. Insulation material color coded through AWG size #2. Larger sizes are coded with fabric tape wraps. One black, one white.

Fillers

Fibrous filler provides great impact resistance and flexibility. Rubber fillers are available upon special order.

Jacket

Flame retardant, oil and unlight resistant Chlorinated Polyethylene (CPE). Black standard.

»Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



PITTSBURGH WIRE & CABLE INC.

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