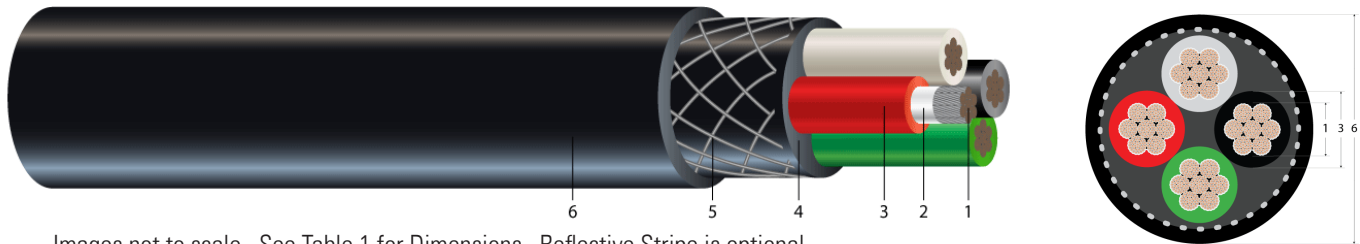


CU 600V Remote Power & Drill Cord Cable 90°C

Flexible Copper conductors, Ethylene Propylene Diene Monomer (EPDM) insulation, Extra Heavy Duty Two Layer Heavy-Duty Neoprene Jacket with Optional Reflective Stripes



Images not to scale. See Table 1 for Dimensions. Reflective Stripe is optional.

CONSTRUCTION:

- Conductor:** Soft drawn, annealed, flexible, rope-lay stranded, uncoated copper per ASTM B3/B172.
- Separator Tape:** Non-conducting tape applied between the conductor and insulation to facilitate stripping.
- Insulation:** Ethylene Propylene Diene Monomer (EPDM). Color coded:
 - 3-Conductor: Black, White, Green
 - 4 Conductor: Black, White, Red, Green
 - 5-Conductor: Black, White, Red, Green. Orange
 - 6-Conductor: Black, White, Red, Green. Orange, Blue
- Inner Jacket:** Black, heavy-duty integral fill flame resistant, thermosetting Neoprene
- Reinforcement:** Reinforcing twine applied between the two jacket layers.
- Outer Jacket:** Black, heavy-duty, integral fill, flame resistant, thermosetting Neoprene. Alternate jacket colors available.

APPLICATIONS AND FEATURES:

Southwire's Remote Power and Drill cord cable is a heavy-duty cable for use where limited flexing and rugged use are required. For use in stationary heavy duty pumps or long-wall lighting application. Designed for long service life in wet or dry locations in underground mines. The cable is sunlight resistant, crush resistant, and abrasion resistant. Also suitable for continuous submersion in water. Embossed print legend for easy cable identification.

SPECIFICATIONS:

- MSHA Approved and listed
- ICEA S-75-381/NEMA WC 58 Portable and Power Feeder Cables for use in Mines and Similar Applications
- ASTM B3 Soft or Annealed Copper Wire.
- ASTM B172 Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors

SAMPLE PRINT LEGEND:

AWG #/C REMOTE CONTROL & DRILL CORD 600V P-07-KA120024-MSHA --- RoHS



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SPEC 47011_PSS DIVISION DATE: 04/12/2018 Rev:1.0.00M

Table 1 – Weights & Measurements

Stock Code	Conductor				Insulation		Nominal OD (6) inches	Weight lbs./MFT
	Size	Count	Strands	Diameter (1)	Thickness	Diameter (3)		
	AWG	No.	No.	inches	mils	inches		
569952	14	3	41	0.083	45	0.209	0.670	295
571415	14	4	41	0.083	45	0.209	0.710	345
569951	14	5	41	0.083	45	0.209	0.780	420
578829	12	3	65	0.104	45	0.230	0.720	440
571402	12	5	65	0.104	45	0.230	0.810	450
571731	12	6	65	0.104	45	0.230	0.890	510
578830	10	3	104	0.131	45	0.257	0.800	360
571710	10	5	104	0.131	45	0.257	0.900	550
583920	8	5	168	0.166	60	0.322	1.090	690

All dimensions are nominal and subject to normal manufacturing tolerances

Table 2 – Electrical and Engineering Data

Stock Code	Conductor		Resistance		Working Tension lbs.	Minimum Bending Radius inches	Ampacity Amps
	Size	Count	DC @ 20°C	AC @ 90°C			
	AWG	No.	Ω/MFT	Ω/MFT			
569952	14	3	2.64	3.299	28	4	15
571415	14	4	2.64	3.299	37	4	15
569951	14	5	2.64	3.299	47	5	15
578829	12	3	1.68	2.093	45	4	20
571402	12	5	1.68	2.093	74	5	20
571731	12	6	1.68	2.093	89	5	20
578830	10	3	1.06	1.319	71	5	25
571710	10	5	1.06	1.319	118	5	25
583920	8	5	0.68	0.848	188	7	35

† Ampacity based on Tables 400.5(A)(1) of the National Electrical Code® and is for a single isolated cable in air operated with an open-circuited shield at an ambient temperature of 30°C and a conductor temperature of 90°C and three current carrying conductors

