Metering Cable

CONSTRUCTION AT A GLANCE

CONDUCTOR TYPE (1)
12 - 9 AWG TINNED COPPER

INSULATION TYPE (2)
PE/PVC

JACKET TYPE (3)
PVC

APPLICATIONS

- Predominantly used in utility substations for outdoor metering applications
- Can be installed indoors or outdoors, in cable trays, conduit, underground duct, or direct buried in wet or dry locations
- Conductor operating temperatures are not to exceed 75°C wet, 90°C dry
- Rated 600 Volts

CONSTRUCTION DETAILS

- **Conductors**
  - 12, 10, and 9 AWG Annealed Class C Stranded Tinned Copper
- **Insulation**
  - Natural Colored Polyethylene (PE)
- **Conductor Jacket**
  - Tough, Heat and Moisture Resistant Polyvinyl Chloride (PVC)
  - Color Coded per ICEA S-73-532, Method 1, Table E-2
- **Assembly**
  - Cabled with non-hygroscopic polyethylene fillers in order to give the cable a circular cross-section, when needed
  - Wrapped with a Mylar binder, over which a Nylon rip cord is applied
- **Overall Jacket**
  - Heat, Moisture and Sunlight Resistant Black Polyvinyl Chloride (PVC)
- **Print**
  - SOUTHWIRE XXAWG XX/C METERING CABLE 600V SUN. RES. DIRECT BURIAL YEAR SEQUENTIAL FOOTAGE MARKS

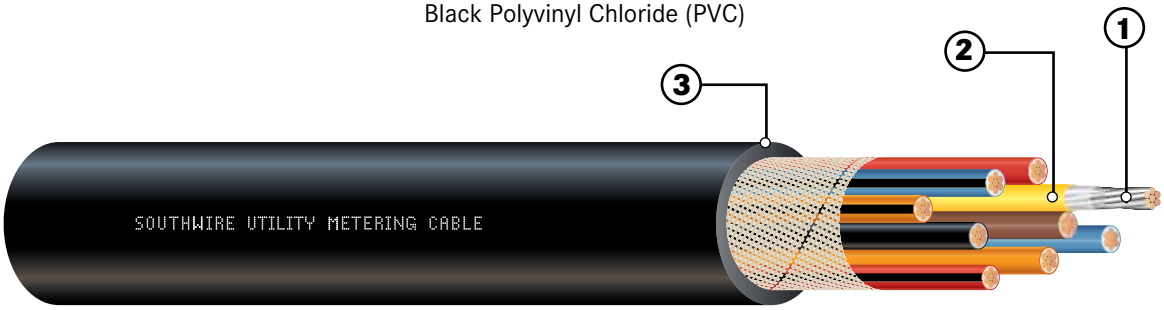
SPECIFICATIONS

Southwire's Metering Cable meets or exceeds:

- All Applicable ASTM Standards
- ANSI/ICEA S-73-532
- RoHS Compliant

OPTIONS

- 1000 Volt Rated Product
- Stranding Classes – B, K
- Bare Copper Conductors
- Color Coding Methods per ICEA S-73-532
- Without Jacket
- Jacket Materials – SOLONON® (LSZH), CPE
- UVS Construction Available upon Request
- Other Constructions Available upon Request



Number of Conductors	Conductor Size (AWG)	Single Conductors		Nominal Jacket Thickness (inches)	Nominal Overall Diameter		Approximate Weight	
		Insulation Thickness (inches)	Jacket Thickness (inches)		inches	mm	lbs/1000 ft.	kg/km
AWG 12 (19 strands)								
1	12	0.020	0.010	—	0.150	3.8	26	39
4	12	0.020	0.010	0.045	0.449	11.4	139	207
5	12	0.020	0.010	0.045	0.491	12.5	168	251
7	12	0.020	0.010	0.060	0.566	14.4	240	356
8	12	0.020	0.010	0.060	0.611	15.5	271	403
9	12	0.020	0.010	0.060	0.655	16.6	302	449
10	12	0.020	0.010	0.060	0.713	18.1	334	498
12	12	0.020	0.010	0.060	0.736	18.7	389	579
AWG 10 (19 strands)								
1	10	0.020	0.010	—	0.173	4.4	39	58
4	10	0.020	0.010	0.045	0.506	12.9	197	293
5	10	0.020	0.010	0.060	0.585	14.9	256	381
7	10	0.020	0.010	0.060	0.636	16.2	340	507
8	10	0.020	0.010	0.060	0.689	17.5	386	574
9	10	0.020	0.010	0.060	0.740	18.8	431	641
12	10	0.020	0.010	0.080	0.874	22.2	591	879
AWG 9 (19 Strands)								
1	9	0.020	0.010	—	0.187	4.7	48	72
5	9	0.020	0.010	0.0600	0.629	16.0	306	456
7	9	0.020	0.010	0.0600	0.685	17.4	409	609
8	9	0.020	0.010	0.0600	0.743	18.9	464	691
12	9	0.020	0.010	0.0800	0.942	23.9	710	1056

Dimensions and weights shown above are nominal and subject to industry tolerances.