

# Southwire TYPE TC SDN® Flexible Control Cable

600 Volts, 90°C Dry, 75°C Wet. Flexible Strand Bare Copper, PVC/Nylon Conductors and Black Neoprene Jacket. Oil and Sunlight Resistant Jacket. Approved for Outdoor use and Direct Burial. Rated FT4 Flame Resistant.



Image not to scale and for reference only. See Table 1 for Dimensions.

## CONSTRUCTION:

- Conductors:** Class K, Flexible stranded bare copper per ASTM B3 and B174  
**Insulation:** Polyvinyl Chloride (PVC)  
**Color Code:** ICEA Method 1, Table E2. (Other color code options available with MOQ)  
**Jacket:** Nylon  
**Assembly:** The insulated and jacketed conductors are cabled together with fillers as required to form a round cabled assembly. A two mil mylar tape is helically applied over the cabled core to facilitate overall jacket removal.  
**Jacket:** Black, Heavy Duty, Sunlight and Oil Resistant Neoprene

## APPLICATIONS AND FEATURES:

Southwire SDN (Small Diameter Neoprene) Flexible Control Cable is for use in industrial power or control circuits where small diameter, flame retardant cables are desired. Primary installations include cable trays, raceways, and outdoor locations where supported by a messenger wire.

Southwire SDN Flexible Control Cable is listed for direct burial and for use in Class 1, Division 2 hazardous locations and Class 1 control circuits. Conductors may be used at temperatures not to exceed 75°C in wet locations or 90°C in dry locations.

Southwire SDN Flexible Control Cable is also CSA listed as Control and Instrumentation Cable (CIC), whereas conductors may be used at temperatures not to exceed 75°C in wet locations or 90°C in dry locations.

## SPECIFICATIONS:

- ASTM B3, B174
- UL 66 - TFFN Conductors (AWG 18 through 16)
- UL 83 - THHN Conductors (AWG 14 through 12)
- UL 1277 - Tray Cable
- CSA C22.2 No. 239 - CIC

## SAMPLE PRINT LEGEND:

SOUTHWIRE® SDN 12 AWG (3.31mm<sup>2</sup>) 4/C TC 90C DRY 75C WET SUN RES 600V DIR BUR E75755 (UL) --- 156205 CSA CIC 90C DRY 75C WET PVC/N (-40C) 600V SR OIL RES FT4



Southwire Company, LLC | One Southwire Drive, Carrollton, GA 30119 | [www.southwire.com](http://www.southwire.com)

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**TABLE 1 - WEIGHTS & MEASUREMENTS**

Stock Code	No. of Cond.	PVC Insulation Thickness (mils)	Nylon Thickness (mils)	Neoprene Jacket Thickness (mils)	Nominal OD (mils)	Nominal Weight (Lbs/Mft)
<b>18 AWG (16 STRANDS)</b>						
569925xx	3	15	5	45	283	74
569926xx	5	15	5	45	328	100
569927xx	6	15	5	45	360	105
569928xx	8	15	5	45	387	124
571341xx	10	15	5	45	446	153
569929xx	12	15	5	45	448	161
569943xx	14	15	5	45	486	177
571342xx	16	15	5	45	511	196
569944xx	19	15	5	60	552	241
571389xx	24	15	5	60	651	291
569930xx	37	15	5	60	740	424
<b>16 AWG (26 STRANDS)</b>						
569912xx	2	15	5	60	422	78
571340xx	3	15	5	60	433	88
569914xx	4	15	5	60	461	106
569915xx	5	15	5	60	492	122
569916xx	6	15	5	60	522	133
569917xx	7	15	5	60	522	147
569918xx	8	15	5	60	577	131
570089xx	9	15	5	60	608	172
569910xx	10	15	5	60	574	153
569919xx	12	15	5	60	644	234
570090xx	14	15	5	60	689	253
569920xx	16	15	5	60	718	291
569922xx	19	15	5	60	745	327
569911xx	24	15	5	60	841	408
569923xx	30	15	5	60	865	481
569924xx	37	15	5	60	996	622
<b>14 AWG (41 STRANDS)</b>						
569931xx	3	15	5	60	464	137
569932xx	4	15	5	60	497	137
569933xx	5	15	5	60	533	191
569934xx	6	15	5	60	567	177
570091xx	8	15	5	60	639	234
569935xx	10	15	5	60	715	285
570092xx	12	15	5	60	712	311
569936xx	16	15	5	60	798	396
570094xx	24	15	5	60	904	553
570095xx	37	15	5	60	1099	826
<b>12 AWG (65 STRANDS)</b>						
569937xx	3	15	5	60	504	146
569938xx	4	15	5	60	542	174
569940xx	5	15	5	60	584	210
569941xx	6	15	5	60	624	240
569942xx	8	15	5	60	740	340
571313xx	12	15	5	60	808	438

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