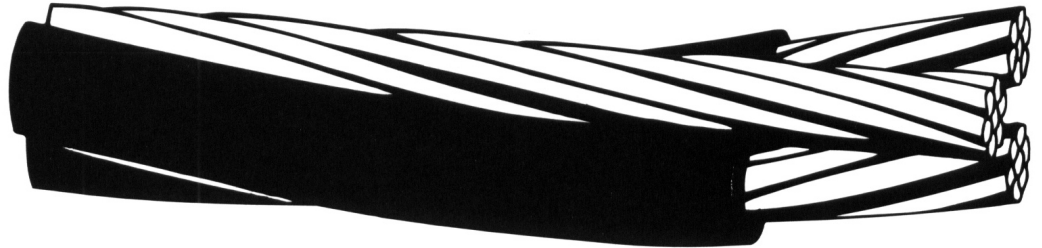


Triplex Service Drop

Aluminum Conductors. Polyethylene or Crosslinked Polyethylene Insulation.



APPLICATIONS

Used to supply power, usually from a pole-mounted transformer, to the user's service head where connection to the service entrance cable is made. To be used at voltages of 600 volts phase-to-phase or less and at conductor temperatures not to exceed 75°C for polyethylene insulated conductors or 90°C for crosslinked polyethylene (XLP) insulated conductors.

SPECIFICATIONS

Southwire's triplex service drop cable meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- B-231 Aluminum Conductors, Concentric-Lay-Stranded.
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced(ACSR).
- B-399 Stranded 6201-T81 Aluminum Alloy Conductors.
- B-901 Compressed Round Stranded Aluminum Conductors Using Single Input Wire.

Southwire's triplex service drop cable meets or exceeds all applicable requirements of ANSI/ICEA S-76-474.

CONSTRUCTION

Conductors are concentrically stranded, compressed 1350-H19 aluminum. Insulated with either polyethylene or crosslinked polyethylene (XLP). Neutral messengers are concentrically stranded 6201, AAC, or ACSR.

Triplex Service Drop

| Code* Word | Phase Conductor | | | Bare Neutral Messenger | | | | Weight Per 1000 ft.(lbs.) | | Allowable Ampacities+ | |
|-------------------------------------|-----------------|-------------|----------------------|------------------------|----------------|-------------|-----------------------|---------------------------|------|-----------------------|------|
| | Size (AWG) | Strand- ing | Insul. Thick. (mils) | Equiv. Dia. (AWG)++ | Size++ (kcmil) | Strand- ing | Rated Strength (lbs.) | XLP | POLY | XLP | POLY |
| 6201 ALLOY NEUTRAL-MESSENGER | | | | | | | | | | | |
| Minex | 6 | 1 | 45 | 6 | 30.58 | 7 | 1110 | 101 | 101 | 85 | 70 |
| Hippa | 6 | 7 | 45 | 6 | 30.58 | 7 | 1110 | 107 | 107 | 85 | 70 |
| Prawn | 4 | 1 | 45 | 4 | 48.69 | 7 | 1760 | 152 | 152 | 115 | 90 |
| Barnacle | 4 | 7 | 45 | 4 | 48.69 | 7 | 1760 | 160 | 160 | 115 | 90 |
| Shrimp | 2 | 7 | 45 | 2 | 77.47 | 7 | 2800 | 243 | 243 | 150 | 120 |
| Gammarus | 1/0 | 7 | 60 | 1/0 | 123.3 | 7 | 4460 | 390 | 390 | 205 | 160 |
| Leda | 1/0 | 9 | 60 | 1/0 | 123.3 | 7 | 4460 | 384 | 384 | 205 | 160 |
| Dungenese | 2/0 | 7 | 60 | 2/0 | 155.4 | 7 | 5390 | 483 | 483 | 235 | 185 |
| Cyclops | 2/0 | 11 | 60 | 2/0 | 155.4 | 7 | 5390 | 474 | 474 | 235 | 185 |
| Flustra | 3/0 | 17 | 60 | 3/0 | 195.7 | 7 | 6790 | 587 | 587 | 275 | 215 |
| Lepas | 4/0 | 18 | 60 | 4/0 | 246.9 | 7 | 8560 | 728 | 728 | 315 | 245 |

*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP).
 +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.
 ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.

| Code* Word | Phase Conductor | | | Bare Neutral Messenger | | | | Weight Per 1000 ft. (lbs.) | | Allowable Ampacities+ | |
|---|-----------------|-------------|----------------------|------------------------|--------------|-------------|-----------------------|----------------------------|------|-----------------------|------|
| | Size (AWG) | Strand- ing | Insul. Thick. (mils) | Equiv. Dia. (AWG)++ | Size (kcmil) | Strand- ing | Rated Strength (lbs.) | XLP | POLY | XLP | POLY |
| 6201 ALLOY REDUCED NEUTRAL-MESSENGER | | | | | | | | | | | |
| Artemia | 4 | 1 | 45 | 6 | 30.58 | 7 | 1110 | 135 | 135 | 115 | 90 |
| Crab | 4 | 7 | 45 | 6 | 30.58 | 7 | 1110 | 143 | 143 | 115 | 90 |
| Solaster | 2 | 7 | 45 | 4 | 48.69 | 7 | 1760 | 216 | 216 | 150 | 120 |
| Sandcrab | 1/0 | 7 | 60 | 2 | 77.47 | 7 | 2800 | 347 | 347 | 205 | 160 |
| Echinus | 1/0 | 9 | 60 | 2 | 77.47 | 7 | 2800 | 341 | 341 | 205 | 160 |
| Fulgar | 3/0 | 17 | 60 | 1/0 | 123.3 | 7 | 4460 | 519 | 519 | 275 | 215 |
| Arca | 4/0 | 18 | 60 | 2/0 | 155.4 | 7 | 5390 | 643 | 643 | 315 | 245 |

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 ++Designated sizes are: ACSR 6/1 diameter equivalent and AAC with equivalent resistivity per ASTM B-399 for 6201.

Triplex Service Drop

| Code* Word | Phase Conductor | | | Bare Neutral Messenger | | | Weight Per 1000 ft. (lbs.) | | Allowable Ampacities+ | |
|------------------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|-----------------------------|-------------------------------|------|--------------------------|------|
| | Size (AWG or kcmil) | Strand- ing | Insul. Thick. (mils) | Size (AWG or kcmil) | Strand- ing | Rated Strength (lbs.) | XLP | POLY | XLP | POLY |
| AAC NEUTRAL-MESSENGER | | | | | | | | | | |
| Patella | 6 | 7 | 45 | 6 | 7 | 563 | 103 | 103 | 85 | 70 |
| Oyster | 4 | 7 | 45 | 4 | 7 | 881 | 154 | 154 | 115 | 90 |
| Clam | 2 | 7 | 45 | 2 | 7 | 1350 | 233 | 233 | 150 | 120 |
| Murex | 1/0 | 7 | 60 | 1/0 | 7 | 1990 | 374 | 374 | 205 | 160 |
| Purpura | 1/0 | 9 | 60 | 1/0 | 7 | 1990 | 368 | 368 | 205 | 160 |
| Nassa | 2/0 | 7 | 60 | 2/0 | 7 | 2510 | 462 | 462 | 235 | 185 |
| Melita | 3/0 | 17 | 60 | 3/0 | 19 | 3310 | 562 | 562 | 275 | 215 |
| Portunus | 4/0 | 18 | 60 | 4/0 | 19 | 4020 | 696 | 696 | 315 | 245 |
| Nannynose | 336.4 | 19 | 80 | 336.4 | 19 | 6146 | 1118 | 1118 | 420 | 325 |

* Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP).
 + Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.

| Code* Word | Phase Conductor | | | Bare Neutral Messenger | | | Weight Per 1000 ft. (lbs.) | | Allowable Ampacities+ | |
|-------------------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|-----------------------------|-------------------------------|------|--------------------------|------|
| | Size (AWG or kcmil) | Strand- ing | Insul. Thick. (mils) | Size (AWG or kcmil) | Strand- ing | Rated Strength (lbs.) | XLP | POLY | XLP | POLY |
| ACSR NEUTRAL-MESSENGER | | | | | | | | | | |
| Paludina | 6 | 1 | 45 | 6 | 6/1 | 1190 | 109 | 109 | 85 | 70 |
| Voluta | 6 | 7 | 45 | 6 | 6/1 | 1190 | 114 | 114 | 85 | 70 |
| Whelk | 4 | 1 | 45 | 4 | 6/1 | 1860 | -- | 164 | 115 | 90 |
| Periwinkle | 4 | 7 | 45 | 4 | 6/1 | 1860 | 172 | 172 | 115 | 90 |
| Conch | 2 | 7 | 45 | 2 | 6/1 | 2850 | 262 | 262 | 150 | 120 |
| Neritina | 1/0 | 7 | 60 | 1/0 | 6/1 | 4380 | 420 | 420 | 205 | 160 |
| Cenia | 1/0 | 9 | 60 | 1/0 | 6/1 | 4380 | 414 | 414 | 205 | 160 |
| Runcina | 2/0 | 7 | 60 | 2/0 | 6/1 | 5310 | 520 | 520 | 235 | 185 |
| Triton | 2/0 | 11 | 60 | 2/0 | 6/1 | 5310 | 512 | 512 | 235 | 185 |
| Mursia | 3/0 | 17 | 60 | 3/0 | 6/1 | 6620 | 635 | 635 | 275 | 215 |
| Zuzara | 4/0 | 18 | 60 | 4/0 | 6/1 | 8350 | 789 | 789 | 315 | 245 |
| Limpet | 336.4 | 19 | 80 | 336.4 | 18/1 | 8680 | 1167 | 1167 | 420 | 325 |

*Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP).
 +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun.



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| Code* Word | Phase Conductor | | | Bare Neutral Messenger | | | Weight Per 1000 ft. (lbs.) | | Allowable Ampacities+ | |
|--|-----------------|----------------|----------------------------|---------------------------|----------------|-----------------------------|-------------------------------|------|--------------------------|------|
| | Size (AWG) | Strand- ing | Insul. Thick. (mils) | Size (AWG) | Strand- ing | Rated Strength (lbs.) | XLP | POLY | XLP | POLY |
| ACSR REDUCED NEUTRAL-MESSENGER | | | | | | | | | | |
| Scallop | 4 | 1 | 45 | 6 | 6/1 | 1190 | -- | 142 | 115 | 90 |
| Strombus | 4 | 7 | 45 | 6 | 6/1 | 1190 | 151 | 151 | 115 | 90 |
| Cockle | 2 | 7 | 45 | 4 | 6/1 | 1860 | 228 | 228 | 150 | 120 |
| Janthina | 1/0 | 7 | 60 | 2 | 6/1 | 2853 | 366 | 366 | 205 | 160 |
| Ranella | 1/0 | 9 | 60 | 2 | 6/1 | 2853 | 360 | 360 | 205 | 160 |
| Cavolinia | 2/0 | 7 | 60 | 1 | 6/1 | 3550 | 453 | 453 | 235 | 185 |
| Clio | 2/0 | 11 | 60 | 1 | 6/1 | 3550 | 444 | 444 | 235 | 185 |
| Aega | 3/0 | 17 | 60 | 1/0 | 6/1 | 4380 | 549 | 549 | 275 | 215 |
| Cerapus | 4/0 | 18 | 60 | 2/0 | 6/1 | 5310 | 681 | 681 | 315 | 245 |
| *Code words for XLP insulated products are formed by adding "/XLP" to the conventional code words above (e.g.-Haiotis/XLP). +Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C; emissivity 0.9; 2 ft./sec. wind in sun. | | | | | | | | | | |