

DUPLEX SERVICE DROP ALUMINUM CONDUCTOR

Applications: To supply 120 volt aerial service for temporary service at construction sites, out door or street lighting. For service at 600 volts or lower at a conductor temperature of 75° C maximum.

Construction: Concentric strand or compressed 1350-H19 conductor, polyethylene or cross linked polyethylene insulation, concentric strand AAC, ACSR, or 6201 alloy neutral messenger.

Specifications: Duplex 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 Concentric-Lay-Stranded, 6201-T81 Aluminum

Service Drop cable meets or exceeds all applicable requirements of ICEA S-76-474



| Code Word | Phase Conductors | | | Bare Neutral Messenger | | | Weight Per 1000ft (lbs) | | Rating (AMPS) | |
|-------------------------------------|------------------|--------|-----------------------------|------------------------|---------|-------------------------|-------------------------|-------|---------------|------|
| | Size AWG | Strand | Insulation Thickness (mils) | Size AWG | *Strand | Breaking Strength (lbs) | XLP | POLY | XLP | POLY |
| AAC | | | | | | | | | | |
| Pekingese | 6 | Solid | 45 | 6 | 7/w | 563 | 63.5 | 61.7 | 85 | 70 |
| Collie | 6 | 7/w | 45 | 6 | 7/w | 563 | 66.8 | 63.1 | 85 | 70 |
| Dachshund | 4 | Solid | 45 | 4 | 7/w | 881 | 95.5 | 93.4 | 110 | 90 |
| Spaniel | 4 | 7/w | 45 | 4 | 7/w | 881 | 100.5 | 95.4 | 110 | 90 |
| Doberman | 2 | 7/w | 45 | 2 | 7/w | 1,350 | 152.7 | 145.7 | 150 | 120 |
| Malamute | 1/0 | 19/w | 60 | 1/0 | 7/w | 1,990 | 242.6 | 234.2 | 200 | 60 |
| ACSR NEUTRAL MESSENGER | | | | | | | | | | |
| Setter | 6 | Solid | 45 | 6 | 6/1 | 1,190 | 75.0 | 73.2 | 85 | 70 |
| Shepherd | 6 | 7/w | 45 | 6 | 6/1 | 1,190 | 78.3 | 74.6 | 85 | 70 |
| Eskimo | 4 | Solid | 45 | 4 | 6/1 | 1,860 | 113.7 | 111.6 | 110 | 90 |
| Terrier | 4 | 7/w | 45 | 4 | 6/1 | 1,860 | 118.7 | 113.6 | 110 | 90 |
| Chow | 2 | 7/w | 45 | 2 | 6/1 | 2,850 | 181.7 | 174.7 | 150 | 115 |
| Bull | 1/0 | 19/w | 60 | 1/0 | 6/1 | 4,380 | 288.7 | 280.3 | 200 | 155 |
| 6201 ALLOY NEUTRAL MESSENGER | | | | | | | | | | |
| Chihuahua | 6 | Solid | 45 | 6 | 7/w | 1,110 | 67.6 | 65.8 | 85 | 70 |
| Vizsla | 6 | 7/w | 45 | 6 | 7/w | 1,110 | 70-9 | 67.2 | 85 | 70 |
| Harrier | 4 | Solid | 45 | 4 | 7/w | 1,760 | 102.0 | 99.9 | 110 | 90 |
| Whippet | 4 | 7/w | 45 | 4 | 7/w | 1,760 | 107.0 | 101.9 | 110 | 90 |
| Schnauzer | 2 | 7/w | 45 | 2 | 7/w | 2,800 | 163.3 | 156.2 | 150 | 115 |
| Heeler | 1/0 | 19/w | 60 | 1/0 | 7/w | 4,460 | 1259.2 | 250.8 | 200 | 155 |

*NOTE: Designated sizes are ACSR 6/1 diameter equivalent resistivity per ASTM-B-399 for 6201. Conductor temperature of 90°C for XLP, 75°C for Poly; ambient temperature of 40°C emissivity 0.9; 2ft/sec. Wind in sun.

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