

Control Composite 3 Power & 3 Control Conductors 600V

XLPE/PVC/AIA/PVC

SPECIFICATIONS

- CSA FT4
- CSA C22.2 No. 131
- IEEE 383 (70,000 BTU/hr) Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Vertical Flame Test



CONSTRUCTION

Conductor: Bare copper Class B compressed stranded

Insulation: Cross-Linked Polyethylene (XLPE) Type RW90

Ground (Bonding) Conductor: Uninsulated stranded bare copper conductor

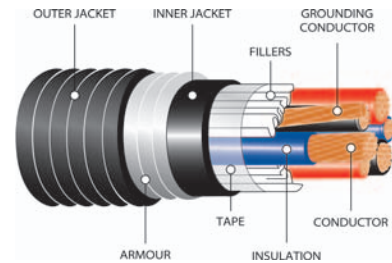
Inner Jacket: Flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC)

Armour: Aluminum Interlocked Armour (AIA)

Outer Jacket: Low-temperature, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

Options: Galvanized Steel Interlocked Armour (GSIA)

Other coloured outer jacket and constructions available upon request



600V COMPOSITE

| 14 AWG | | | | | | | | | | | | | | | |
|--------------|----------|-------|--------------------|--------------------|--------------------|-----------------------------|--------------|--------------------|----------------|--------|----------------------------|--------|---------------------|------------------------|---------|
| Part Number | AWG Size | | | Thickness of | | Approximate Diameter (Over) | | | Copper Content | | Net Weight Aluminum Armour | | Amp. (30°C Ambient) | Recommended Connector* | |
| | Control | Power | Bond (Ground) Wire | Power Insul. (in.) | Inner Jacket (in.) | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT | KG/ KM | LB/ MFT | KG/ KM | | O-Z JMC | O-Z MCA |
| 05030-01-010 | 14 | 12 | 14 | 0.030 | 0.060 | 0.580 | 0.750 | 0.890 | 113.6 | 169.0 | 369 | 551 | 20 | 2 | 3 |
| 05030-02-010 | 14 | 10 | 12 | 0.030 | 0.060 | 0.630 | 0.800 | 0.940 | 157.3 | 234.0 | 432 | 645 | 30 | 2 | 3 |
| 05030-03-010 | 14 | 8 | 10 | 0.040 | 0.060 | 0.700 | 0.870 | 1.070 | 227.9 | 339.0 | 608 | 907 | 45 | 3 | 4 |
| 05030-04-010 | 14 | 6 | 8 | 0.060 | 0.060 | 0.890 | 1.150 | 1.270 | 338.8 | 504.0 | 849 | 1267 | 65 | 4 | 5 |
| 05030-05-010 | 14 | 4 | 8 | 0.060 | 0.080 | 0.904 | 1.177 | 1.310 | 486.0 | 723.0 | 962 | 1430 | 85 | 4 | 5 |
| 05030-07-010 | 14 | 2 | 6 | 0.060 | 0.080 | 1.026 | 1.307 | 1.445 | 749.4 | 1115.0 | 1290 | 1919 | 120 | 5 | 5 |
| 05030-08-010 | 14 | 1 | 6 | 0.080 | 0.080 | 1.182 | 1.402 | 1.518 | 914.8 | 1361.0 | 1571 | 2336 | 140 | 5 | 6 |
| 05030-09-010 | 14 | 1/0 | 6 | 0.080 | 0.080 | 1.263 | 1.483 | 1.603 | 1120.4 | 1667.0 | 1824 | 2713 | 155 | 5 | 6 |

| 12 AWG | | | | | | | | | | | | | | | |
|--------------|----------|-------|--------------------|--------------------|--------------------|-----------------------------|--------------|--------------------|----------------|--------|----------------------------|--------|---------------------|------------------------|---------|
| Part Number | AWG Size | | | Thickness of | | Approximate Diameter (Over) | | | Copper Content | | Net Weight Aluminum Armour | | Amp. (30°C Ambient) | Recommended Connector* | |
| | Control | Power | Bond (Ground) Wire | Power Insul. (in.) | Inner Jacket (in.) | Inner Jacket (in.) | Armour (in.) | Outer Jacket (in.) | LB/ MFT | KG/ KM | LB/ MFT | KG/ KM | | O-Z JMC | O-Z MCA |
| 05031-02-010 | 12 | 10 | 12 | 0.030 | 0.060 | 0.665 | 0.865 | 0.979 | 180.2 | 268.0 | 431 | 641 | 30 | 2 | 3 |
| 05031-03-010 | 12 | 8 | 10 | 0.040 | 0.060 | 0.755 | 0.955 | 1.071 | 250.7 | 373.0 | 544 | 809 | 45 | 3 | 4 |
| 05031-04-010 | 12 | 6 | 8 | 0.060 | 0.080 | 0.914 | 1.134 | 1.250 | 361.6 | 538.0 | 822 | 1223 | 65 | 4 | 4 |
| 05031-05-010 | 12 | 4 | 8 | 0.060 | 0.080 | 0.930 | 1.160 | 1.270 | 508.8 | 757.0 | 978 | 1455 | 85 | 4 | 5 |
| 05031-07-010 | 12 | 2 | 6 | 0.060 | 0.080 | 1.026 | 1.246 | 1.362 | 772.3 | 1149.0 | 1307 | 1944 | 120 | 4 | 5 |
| 05031-08-010 | 12 | 1 | 6 | 0.080 | 0.080 | 1.182 | 1.402 | 1.518 | 938.3 | 1396.0 | 1587 | 2361 | 140 | 5 | 6 |
| 05031-09-010 | 12 | 1/0 | 6 | 0.080 | 0.080 | 1.263 | 1.483 | 1.603 | 1143.3 | 1701.0 | 1840 | 2737 | 155 | 5 | 6 |

NOTE: All dimensions are nominal and are subject to normal manufacturing tolerance. Specifications are subject to change without prior notice.

* See page 31 for corresponding connector.