

# CASFLON™ 250 UL/cUL

**Style 1659**

**-65°C to +250°C, 600V**



## Construction

**Type:** electrical wire

**Core:** bare, tin-plated, nickel-plated, or silver-plated copper

**Insulation:** PTFE

## Production

**Range width:** AWG 26 to 10

**Options:** Please consult us for any special requirements

## Application

**General use:** internal cabling for electrical appliances or electronic appliances

**Industry:** cabling for industrial machines

**Electromechanics:** cabling for rotating machines

**Household appliances:** cabling for household electrical heating appliances

## General characteristics

**Weather conditions:** excellent resistance to UV

**Chemical behaviors:** excellent resistance to aggressive chemical environments

**Humidity:** excellent resistance to humidity

**Mechanical behaviors:** excellent mechanical strength

## Thermal characteristics

**Operating temperature:** -65°C to +250 °C

## Electrical characteristics

**Operating Voltage:** 600V

**Test voltage:** 2000 V

## Approvals – Standards

**“Horizontal flame”:** as per UL approval

**“FT1 flame rating”:** as per UL approval

**“VW-1 flame test”:** as per UL approval

**UL approval:** as per standard UL 758

| Casmocable Part No. | Wire gauge | Conductor structure |                  |      | Conductor Diameter |      | Wall thickness |      | Final O.D. |      | Approx. Wt. |         |
|---------------------|------------|---------------------|------------------|------|--------------------|------|----------------|------|------------|------|-------------|---------|
|                     | (AWG)      | # Strands           | Diam. Of Strands |      | (in)               | (mm) | (in)           | (mm) | (in)       | (mm) | (lb./kft)   | (kg/km) |
|                     |            |                     | (in)             | (mm) |                    |      |                |      |            |      |             |         |
| 1410301             | 10         | 37                  | 0.017            | 0.43 | 0.119              | 3.01 | 0.020          | 0.51 | 0.159      | 4.03 | 41.80       | 62.20   |
| 1410302             | 12         | 19                  | 0.019            | 0.49 | 0.096              | 2.45 | 0.020          | 0.51 | 0.137      | 3.47 | 28.10       | 41.82   |
| 1410303             | 14         | 19                  | 0.015            | 0.37 | 0.073              | 1.85 | 0.020          | 0.51 | 0.113      | 2.87 | 18.70       | 24.40   |
| 1410304             | 16         | 19                  | 0.012            | 0.3  | 0.059              | 1.5  | 0.020          | 0.51 | 0.099      | 2.52 | 13.30       | 16.40   |
| 1410305             | 17         | 19                  | 0.010            | 0.26 | 0.051              | 1.3  | 0.020          | 0.51 | 0.091      | 2.32 | 11.95       | 14.80   |
| 1410306             | 18         | 19                  | 0.009            | 0.23 | 0.045              | 1.15 | 0.020          | 0.51 | 0.085      | 2.17 | 10.60       | 13.10   |
| 1410307             | 20         | 19                  | 0.007            | 0.19 | 0.037              | 0.95 | 0.020          | 0.51 | 0.078      | 1.97 | 7.71        | 11.47   |
|                     |            | 1                   | 0.031            | 0.8  | 0.031              | 0.8  | 0.020          | 0.51 | 0.072      | 1.82 | 7.00        | 10.42   |
| 1410308             | 22         | 19                  | 0.006            | 0.16 | 0.031              | 0.8  | 0.020          | 0.51 | 0.072      | 1.82 | 5.78        | 8.60    |
|                     |            | 1                   | 0.026            | 0.65 | 0.026              | 0.65 | 0.020          | 0.51 | 0.066      | 1.67 | 5.03        | 7.49    |
| 1410309             | 24         | 7                   | 0.008            | 0.2  | 0.024              | 0.6  | 0.020          | 0.51 | 0.064      | 1.62 | 4.49        | 6.68    |
|                     |            | 1                   | 0.020            | 0.5  | 0.020              | 0.5  | 0.020          | 0.51 | 0.060      | 1.52 | 4.01        | 5.97    |
| 1410310             | 26         | 7                   | 0.006            | 0.16 | 0.019              | 0.48 | 0.020          | 0.51 | 0.059      | 1.50 | 3.65        | 5.43    |
|                     |            | 1                   | 0.016            | 0.4  | 0.016              | 0.4  | 0.020          | 0.51 | 0.056      | 1.42 | 3.27        | 4.87    |

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