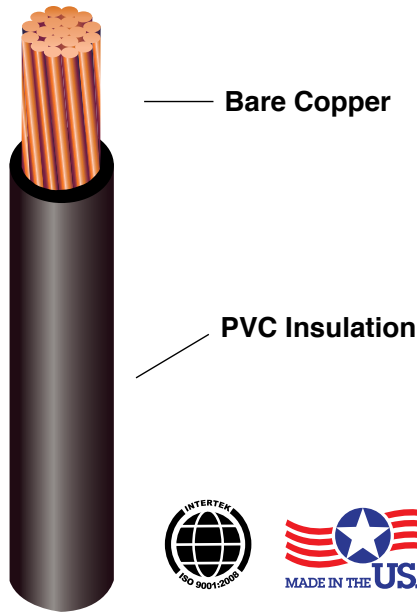


## THW-2 WIRE - BUILDING WIRE

PVC Insulated

**14 AWG - 750 MCM • 600 Volts • 90°C Dry and Wet**



### CABLE IDENTIFICATION

“ADVANCED DIGITAL CABLE, INC. XX AWG  
600V 90C (UL) Type THW OR THW-2 GR11 SR  
VW-1 E208489”

### DESCRIPTION

ADC's THW-2 is a single conductor stranded or solid copper insulated with moisture and flame retardent, sunlight resistant PVC.

### APPLICATIONS

Suitable for use in conduits or other recognized raceways for services, feeders and branch circuit wiring.

### CONSTRUCTION

**Conductors:** Conforms to ASTM B-3 and B-8.

**Insulation:** Polyvinyl chloride conforming to UL 1581

**Colors:** Black, Green, White, Red. Consult factory for other colors

### INDUSTRY LISTINGS & STANDARDS

UL 83, 1581

VW-1 Flame test designation on all sizes

NEMA WC-5/ICEA S-61-402

Caltrans 86-2.08

90°C wet or dry

Sunlight Resistant - SR

Oil Resistant II - GR11

CT use 1/0 AWG and larger

RoHS Compliant



### Cable Data

| Part Number | AWG     | Strand | Insulation Thickness (mils) | Nominal O.D. (inch) | Approximate Net Weight lbs/1M' | Copper Weight per lbs/1M' |
|-------------|---------|--------|-----------------------------|---------------------|--------------------------------|---------------------------|
| 514         | 14      | 7      | 30                          | .131                | 19                             | 12.69                     |
| 514S        | 14      | Solid  | 30                          | .124                | 18                             | 12.43                     |
| 512         | 12      | 7      | 30                          | .151                | 27                             | 20.16                     |
| 512S        | 12      | Solid  | 30                          | .141                | 26                             | 19.76                     |
| 510         | 10      | 7      | 30                          | .174                | 41                             | 32.05                     |
| 510S        | 10      | Solid  | 30                          | .162                | 39                             | 31.43                     |
| 508         | 8       | 7      | 45                          | .234                | 68                             | 51.00                     |
| 508S        | 8       | Solid  | 45                          | .218                | 57                             | 50.20                     |
| 506         | 6       | 7      | 60                          | .301                | 112                            | 81.00                     |
| 504         | 4       | 7      | 60                          | .349                | 166                            | 128.90                    |
| 502         | 2       | 7      | 60                          | .409                | 248                            | 204.90                    |
| 501         | 1       | 19     | 80                          | .492                | 325                            | 258.00                    |
| 5010        | 1/0     | 19     | 80                          | .530                | 400                            | 326.00                    |
| 5020        | 2/0     | 19     | 80                          | .575                | 493                            | 411.00                    |
| 5030        | 3/0     | 19     | 80                          | .625                | 608                            | 518.00                    |
| 5040        | 4/0     | 19     | 80                          | .685                | 752                            | 653.00                    |
| 50250       | 250 MCM | 37     | 95                          | .763                | 908                            | 772.00                    |
| 50300       | 300 MCM | 37     | 95                          | .820                | 1075                           | 926.00                    |
| 50350       | 350 MCM | 37     | 95                          | .867                | 1244                           | 1081.00                   |
| 50400       | 400 MCM | 37     | 95                          | .918                | 1411                           | 1235.00                   |
| 50500       | 500 MCM | 37     | 95                          | .999                | 1741                           | 1544.00                   |
| 50600       | 600 MCM | 61     | 110                         | 1.107               | 2108                           | 1853.00                   |
| 50750       | 750 MCM | 61     | 110                         | 1.218               | 2599                           | 2309.00                   |

The information contained on this specification is intended to be used a guide in product selection and is believed to be reliable.

ADC has made every effort to ensure the data shown above is accurate at the time of publication. This specification is subject to change anytime without notice. Rev IC0515

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