

## CDW(2X) Cary Dual Wall 2X

Cary Dual Wall 2X is a flexible, flame-retardant polyolefin heat shrink tubing with an adhesive inner wall which melts and seals the components contained within. This material is recommended for applications in environmental conditions which require sealing against moisture or other contaminants.

| Ordering Size | Minimum Expanded ID |      | Maximum Recovered ID |      | Nominal Recovered Wall |      | 4' length Ft/package |
|---------------|---------------------|------|----------------------|------|------------------------|------|----------------------|
|               | Inch                | mm   | Inch                 | mm   | Inch                   | mm   |                      |
| 1/8"          | .125                | 3.2  | .062                 | 1.6  | .026                   | 0.70 | 200                  |
| 3/16"         | .187                | 4.7  | .093                 | 2.4  | .026                   | 0.70 | 200                  |
| 1/4"          | .250                | 6.4  | .125                 | 3.2  | .030                   | 0.75 | 200                  |
| 3/8"          | .375                | 9.5  | .187                 | 4.8  | .030                   | 0.75 | 100                  |
| 1/2"          | .500                | 12.7 | .250                 | 6.4  | .030                   | 0.75 | 100                  |
| 3/4"          | .750                | 19.1 | .375                 | 9.5  | .035                   | 0.90 | 100                  |
| 1"            | 1.000               | 25.4 | .500                 | 12.7 | .042                   | 1.10 | 40                   |
| 1-1/2"        | 1.500               | 38.1 | .750                 | 19.1 | .047                   | 1.19 | 32                   |

Mil-I-23053/4 Class 2      Standard Colors: Black    Available in 4ft lengths.

### Technical Data CDW(2X)

| Physical                   | Test Method | Typical Value                        |
|----------------------------|-------------|--------------------------------------|
| Tensile Strength           | ASTM-D638   | 1500 min.                            |
| Elongation %               | ASTM-D638   | 200 min.                             |
| Secant Modulus (psi)       | ASTM-D882   | 25000 max.                           |
| Continuous Operating Temp  | -           | -55C (-67F) to 110C (230F)           |
| Minimum Shrink Temp        | -           | 110C (230F)                          |
| Longitudinal Change %      | M23053/4    | +5,-15                               |
| Heat Shock (4 Hrs @ 250C)  | M23053/4    | No cracking or flowing of outer wall |
| Cold impact (4 Hrs @ -55C) | ASTM-D746   | No cracking                          |

#### Electrical

|                                 |           |            |
|---------------------------------|-----------|------------|
| Dielectric Strength (volts/mil) | ASTM-D876 | 500 min.   |
| Volume Resistivity (ohm-cm)     | ASTM-D876 | 10(14) min |

#### Chemical

|                                |           |              |
|--------------------------------|-----------|--------------|
| Fluid Resistance (23C,24 hrs.) |           |              |
| Tensile Strength PSI           | M23053    | 1000 min     |
| Corrosion                      | UL 224    | No corrosion |
| Water Absorption %             | ASTM-D570 | 0.5 max      |
| Flammability                   | UL 224    | Pass         |

\*Above values are typical performance data and should not be used as design data.

#### MIL-Spec Information

Mil-I-23053/4-

|     |        |
|-----|--------|
| 201 | 1/4"   |
| 202 | 3/8"   |
| 203 | 1/2"   |
| 204 | 3/4"   |
| 205 | 1"     |
| 206 | 1-1/2" |