

# SPECIFICATION CONTROL DRAWING

82A0822

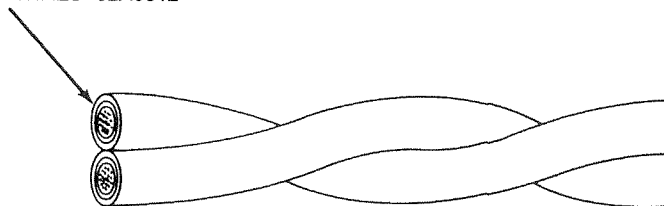
TITLE TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED,  
600 VOLT, FLEXIBLE

Date 07-30-02

Revision C

This specification sheet forms a part of the latest issue of Raychem Specification 80.

COMPONENT WIRES - 82A0812



| CABLE CONSTRUCTION DETAILS |                      |                           |         |                             |
|----------------------------|----------------------|---------------------------|---------|-----------------------------|
| PART NUMBER                | CONDUCTOR SIZE (AWG) | OUTSIDE DIAMETER (inches) |         | MAXIMUM WEIGHT (lb/1000 ft) |
|                            |                      | NOMINAL                   | MAXIMUM |                             |
| 82A0822-26-*               | 26                   | .076                      | .082    | 3.47                        |
| 82A0822-24-*               | 24                   | .088                      | .094    | 5.10                        |
| 82A0822-22-*               | 22                   | .108                      | .114    | 7.55                        |
| 82A0822-20-*               | 20                   | .128                      | .136    | 10.6                        |
| 82A0822-18-*               | 18                   | .152                      | .160    | 16.3                        |
| 82A0822-16-*               | 16                   | .184                      | .194    | 24.3                        |
| 82A0822-14-*               | 14                   | .232                      | .242    | 39.4                        |
| 82A0822-12-*               | 12                   | .274                      | .286    | 56.9                        |
| 82A0822-10-*               | 10                   | .374                      | .390    | 102.                        |
| 82A0822-8-*                | 8                    | .460                      | .476    | 158.                        |
| 82A0822-6-*                | 6                    | .554                      | .574    | 241.                        |
| 82A0822-4-*                | 4                    | .718                      | .738    | 388.                        |
| 82A0822-2-*                | 2                    | .86                       | .898    | 575.                        |
| 82A0822-0-*                | 0                    | 1.12                      | 1.15    | 902.                        |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

### TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 inch (maximum)

### PART NUMBER:

The "\*" in the part numbers above shall be replaced by color code designators with slashes separating the component wire colors.

Example: AWG 2, white and red component wires: 82A0822-2-9/2

NOTE: Nominal values are for information only.  
Nominal values are not requirements.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.  
REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

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