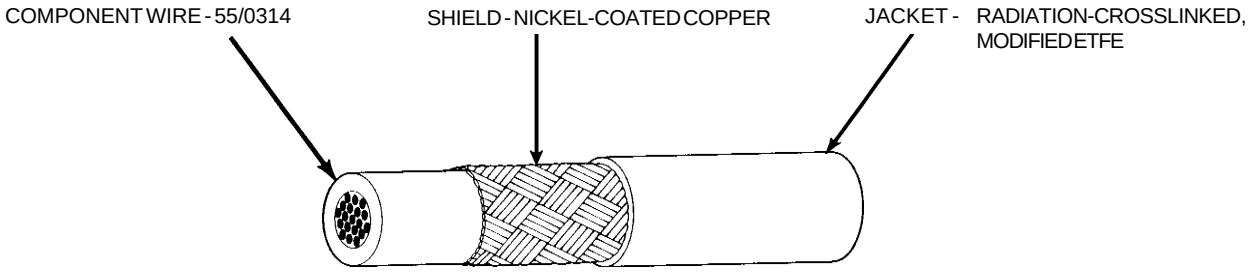
# SPECIFICATION CONTROL DRAWING

**55/7309**

| TITLE | Date | Revision |
|---|---|---|
| ONE CONDUCTOR CABLE, SHIELDED, JACKETED, OUTER SPACE, 600 VOLT | 12-19-03 | B |

This specification sheet forms a part of the latest issue of Raychem Specification 55/.




CABLE CONSTRUCTION DETAILS

| PART NUMBER 1/ | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (inch) | | OUTSIDE DIAMETER (inch) | | MAXIMUM WEIGHT (lbs/1000 ft) |
|---|---|---|---|---|---|---|---|
| | | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 55/7309-28-* | 28 | 38 | .0040 | .0045 | .049 | .054 | 3.15 |
| 55/7309-26-* | 26 | 38 | .0040 | .0045 | .053 | .058 | 3.90 |
| 55/7309-24-* | 24 | 38 | .0040 | .0045 | .058 | .063 | 4.80 |
| 55/7309-22-* | 22 | 38 | .0040 | .0045 | .065 | .070 | 6.15 |

## CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
Maximum continuous conductor temperature
VOLTAGE RATING: 600 volts (rms) at sea level
CROSSLINK VERIFICATION: 300 ± 3°C for 1 hour
DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
JACKET COLOR: White preferred
JACKET ELONGATION: 50% (minimum)
JACKET FLAWS:
Spark Test, 1000 volts (rms)
Impulse Dielectric Test, 6.0 kV (peak)
RADIATION RESISTANCE: 500 megarads

SHIELD COVERAGE: 90% (minimum)
VACUUM STABILITY:
Total Mass Loss (TML), 1.0% (maximum)
Volitale Condensable Material, 0.1% (maximum)
VOLTAGE WITHSTAND TEST (Post Environmental):
1500 volts (rms), 60 Hz, 1 minute

PART NUMBER:
The "*" in the part numbers above shall be replaced by a color code designator with a dash separating the component wire color from the jacket color.
1/ Example: AWG 24, white component wire;white jacket: 55/7309-24-9-9

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

*Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.*
*Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.*

1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx".) OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.



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

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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