

SPECIFICATION CONTROL DRAWING

55/7322

TITLE

THREE CONDUCTOR CABLE, FLAT BRAID SHIELDED,
JACKETED, OUTER SPACE

Date

5-20-96

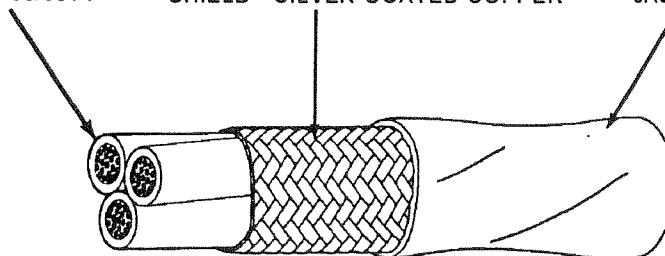
Revision

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

COMPONENT WIRES - 55/0314

SHIELD - SILVER-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



CABLE CONSTRUCTION DETAILS

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD STRAND THICKNESS ($\pm .0004$) | JACKET THICKNESS (inches) | | OUTSIDE DIAMETER (inches) | | MAXIMUM WEIGHT (lbs/1000 ft.) |
|--------------|----------------------------|--|------------------------------|---------|------------------------------|---------|-------------------------------------|
| | | | MINIMUM | NOMINAL | NOMINAL | MAXIMUM | |
| 55/7322-28-* | 28 | .0015 | .0040 | .0050 | .067 | .071 | 4.78 |
| 55/7322-26-* | 26 | .0015 | .0040 | .0050 | .077 | .081 | 6.48 |
| 55/7322-24-* | 24 | .0015 | .0040 | .0050 | .085 | .089 | 8.11 |
| 55/7322-22-* | 22 | .0015 | .0040 | .0050 | .102 | .106 | 12.08 |
| 55/7322-20-* | 20 | .0015 | .0040 | .0050 | .125 | .129 | 17.82 |

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

CROSSLINK VERIFICATION: 300 \pm 3°C for 1 hour

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

JACKET COLOR: White preferred

JACKET ELONGATION: 75% (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 60 Hz, 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

SHIELD COVERAGE: 90% (minimum)

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 slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 24, black, white and red component wires: white jacket: 55/7322-24-0/9/2-9

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.

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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