

SPECIFICATION SHEET

55A1251

CABLE, ELECTRIC, RADIATION-CROSSLINKED, EXTRUDED, MODIFIED, FLUOROPOLYMER-INSULATED,
FIVE CONDUCTOR, SHIELDED, JACKETED, MEDIUM WEIGHT

7 November 1983

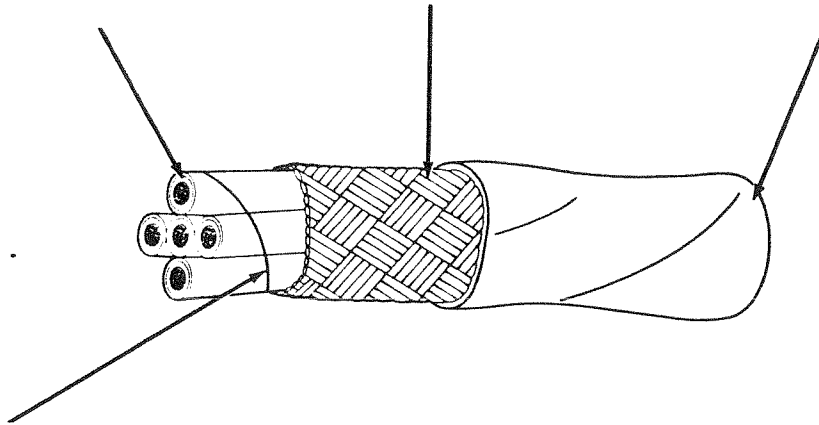
150°C

The complete requirements for procuring the cable described herein shall consist of this document and the issue in effect of Raychem Specification 55A.

COMPONENT WIRES - 55A0211

SHIELD - TIN-COATED COPPER

JACKET - RADIATION-CROSSLINKED,
MODIFIED ETFE



FILAMENT BINDER
AS REQUIRED

| PART NUMBER | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (in.) | | OUTSIDE DIAMETER (in.) | | MAXIMUM WEIGHT (lb/1000 ft.) |
|--------------|----------------------|-------------------|------------------------|-----------------------|------------------------|---------|------------------------------|
| | | | MINIMUM | NOMINAL ^{1/} | NOMINAL ^{1/} | MAXIMUM | |
| | | | 55A1251-26-* | 26 | 38 | .006 | |
| 55A1251-24-* | 24 | 38 | .006 | .008 | .138 | .158 | 19.2 |
| 55A1251-22-* | 22 | 38 | .006 | .008 | .155 | .176 | 25.0 |
| 55A1251-20-* | 20 | 38 | .006 | .008 | .176 | .202 | 34.6 |
| 55A1251-18-* | 18 | 38 | .006 | .008 | .203 | .222 | 47.8 |
| 55A1251-16-* | 16 | 38 | .007 | .009 | .227 | .260 | 59.6 |
| 55A1251-14-* | 14 | 38 | .007 | .009 | .273 | .314 | 87.0 |
| 55A1251-12-* | 12 | 38 | .008 | .010 | .323 | .373 | 126. |

^{1/} Nominal values are for information only. Nominal values are not requirements.

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 150°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms)
 ACCELERATED AGING: 300 ± 3°C for 7 hours
 BLOCKING: 200 ± 3°C for 6 hours
 DIELECTRIC WITHSTAND: 1500 volts, 60 Hz
 FLAMMABILITY:
 Procedure 1, 3 seconds (maximum); 3 in. (maximum);
 no flaming of facial tissue
 JACKET COLOR: White preferred
 JACKET ELONGATION AND TENSILE STRENGTH:
 Elongation, 50% (minimum)
 Tensile Strength, 5000 psi (minimum)
 JACKET FLAWS:
 Spark Test, 1000 volts, 60 Hz (rms), 100% test
 Impulse Dielectric Test, 6.0 kV (peak), 100% test
 LIFE CYCLE: 200 ± 3°C for 168 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours
 SHIELD COVERAGE: 85% (minimum)
 THERMAL SHOCK: 300 ± 3°C for 6 hours
 VOLTAGE WITHSTAND TEST: (After Accelerated Aging,
 Immersion, Life Cycle, Low Temperature-Cold Bend and
 Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:
 The "*" in the part numbers above shall be replaced by color code designators in accordance with MIL-STD-681 with slashes separating component wire colors and a dash separating the component wire colors from the jacket color.
 Example:
 AWG 20; white, black, red, blue and green component wires; white jacket: 55A1251-20-9/0/2#6/5-9.

Raychem

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单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)