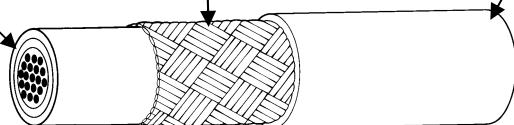



| SPECIFICATION CONTROL DRAWING | | | | | SCD | | 55LF6001 | | | | | |
|--|--|-------------------------|----------------------------|---------|--|---------|-------------------------------------|--|-------------------------------|--|--|--|
| Title ONE CONDUCTOR CABLE, SHIELDED, JACKETED, ULTRA LOW FLUORIDE, GENERAL PURPOSE, 600 VOLT | | | | | Date 10-17-18 | | Revision C | | | | | |
| This specification sheet forms a part of the latest issue of Raychem Specification 55A. | | | | | | | | | | | | |
| <div>COMPONENT WIRE - 55LF0812</div> | | | | | | | | | SHIELD - SILVER-COATED COPPER | | JACKET - LOW OUTGASSING, ULTRA LOW FLUORIDE, RADIATION-CROSSLINKED, MODIFIED ETFE | |
|  | | | | | | | | | | | | |
| 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 | | | | | | |
| 55LF6001-26-* | 26 | 38 | .006 | .008 | .073 | .079 | 5.6 | | | | | |
| 55LF6001-24-* | 24 | 38 | .006 | .008 | .078 | .084 | 6.6 | | | | | |
| 55LF6001-22-* | 22 | 38 | .006 | .008 | .083 | .089 | 7.9 | | | | | |
| 55LF6001-20-* | 20 | 38 | .006 | .008 | .091 | .098 | 9.9 | | | | | |
| 55LF6001-18-* | 18 | 38 | .006 | .008 | .103 | .111 | 13.3 | | | | | |
| 55LF6001-16-* | 16 | 38 | .006 | .008 | .110 | .118 | 15.6 | | | | | |
| 55LF6001-14-* | 14 | 38 | .006 | .008 | .127 | .135 | 21.7 | | | | | |
| 55LF6001-12-* | 12 | 38 | .006 | .008 | .144 | .152 | 29.6 | | | | | |
| 55LF6001-10-* | 10 | 38 | .006 | .008 | .167 | .180 | 43.2 | | | | | |
| CABLE RATINGS AND ADDITIONAL REQUIREMENTS | | | | | | | | | | | | |
| <p>TEMPERATURE RATING: 200°C Maximum continuous conductor temperature</p> <p>VOLTAGE RATING: 600 volts (rms) at sea level</p> <p>ACCELERATED AGING: 300 ± 3°C for 7 hours</p> <p>BLOCKING: 200 ± 3°C for 6 hours</p> <p>COMPONENT WIRE COLOR: Per MIL-STD-681, except light colors (xL) shall meet Munsell color limits for UV laser markable wire in SAE AS22759.</p> <p>DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz</p> <p>FLAMMABILITY: Procedure 1, 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue</p> <p>FLUORIDE EXTRACTION: 70 ± 2°C for 168 hours, 20 ppm (maximum)</p> <p>JACKET COLOR: Per MIL-STD-681, white preferred</p> <p>JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum) Tensile Strength, 5000 lbf/in² (minimum)</p> | | | | | <p>JACKET FLAWS: Spark Test, 1000 volts (rms) Impulse Dielectric Test, 6.0 kV (peak)</p> <p>LIFE CYCLE: 230 ± 3°C for 500 hours</p> <p>LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours</p> <p>RADIATION RESISTANCE (Test per Raychem Spec 55/): 500 megarads</p> <p>SHIELD COVERAGE: 85% (minimum)</p> <p>VACUUM STABILITY (Jacket only, test per Raychem Spec 55/): Total Mass Loss (TML), 1.00% (maximum) Volatile Condensable Material (VCM), 0.10% (maximum)</p> <p>VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute</p> | | | | | | | |
| | | | | | 1/ PART NUMBER: The "*" in the part numbers above shall be replaced by color code designators with a dash separating the component wire color from the jacket color. Example: AWG 22, white component wire; white jacket: 55LF6001-22-9-9 | | | | | | | |
| 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. TE Connectivity also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer. | | | | | | | | | | | | |
| 1/ COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681, EXCEPT LIGHT COLORS SHALL BE DESIGNATED WITH AN "L" AFTER THE COLOR CODE (0L, 1L, 2L, etc.). 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. | | | | | | | | | | | | |
| Page 1 of 1 | Raychem, TE Connectivity, and TE connectivity (logo) are trademarks. | | | |  <div>Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-522-6752 Fax: 1-650-361-6297</div> | | | | | | | |
| | 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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