

SPECIFICATION CONTROL DRAWING

SCD

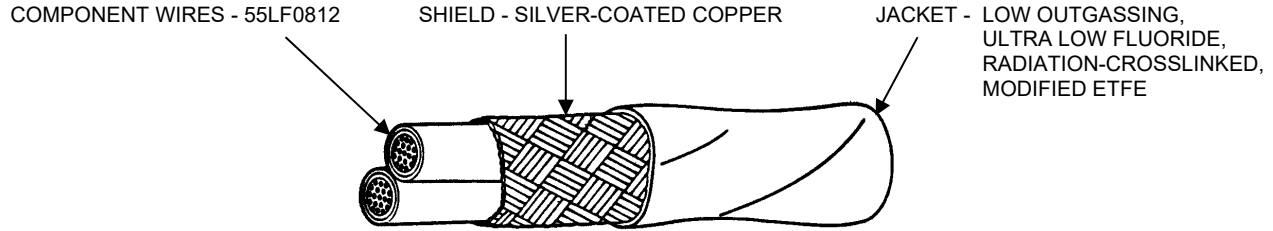
55LF6002

Title TWO 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.



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	
55LF6002-26-*	26	38	.006	.008	.113	.119	9.6
55LF6002-24-*	24	38	.006	.008	.123	.129	11.4
55LF6002-22-*	22	38	.006	.008	.133	.140	14.1
55LF6002-20-*	20	38	.006	.008	.149	.156	18.0
55LF6002-18-*	18	38	.006	.008	.173	.182	24.6
55LF6002-16-*	16	38	.006	.008	.187	.196	29.2
55LF6002-14-*	14	38	.007	.009	.223	.234	41.8
55LF6002-12-*	12	38	.007	.009	.257	.270	57.8
55LF6002-10-*	10	38	.007	.009	.303	.318	85.1

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C
 Maximum continuous conductor temperature
 VOLTAGE RATING: 600 volts (rms) at sea level
 ACCELERATED AGING: 300 ± 3°C for 7 hours
 BLOCKING: 200 ± 3°C for 6 hours
 COMPONENT WIRE COLOR: Per MIL-STD-681, except light colors (xL) shall meet Munsell color limits for UV laser markable wire in SAE AS22759.
 DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz
 FLAMMABILITY: Procedure 1, 3 seconds (maximum), 3 inches (maximum); no flaming of facial tissue
 FLUORIDE EXTRACTION: 70 ± 2°C for 168 hours, 20 ppm (maximum)
 JACKET COLOR: Per MIL-STD-681, white preferred
 JACKET ELONGATION AND TENSILE STRENGTH: Elongation, 50% (minimum)
 Tensile Strength, 5000 lbf/in² (minimum)
 JACKET FLAWS: Spark Test, 1000 volts (rms)
 Impulse Dielectric Test, 6.0 kV (peak)

LIFE CYCLE: 230 ± 3°C for 500 hours
 LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours
 RADIATION RESISTANCE (Test per Raychem Spec 55/): 500 megarads
 SHIELD COVERAGE: 85% (minimum)
 VACUUM STABILITY (Jacket only, test per Raychem Spec 55/): Total Mass Loss (TML), 1.00% (maximum)
 Volatile Condensable Material (VCM), 0.10% (maximum)
 VOLTAGE WITHSTAND (Post Environmental): 1000 volts (rms), 60 Hz, 1 minute

^{1/} PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designators with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.
 Example: AWG 24, light blue and white component wires; white jacket: 55LF6002-24-6L/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.

