

# SPECIFICATION CONTROL DRAWING

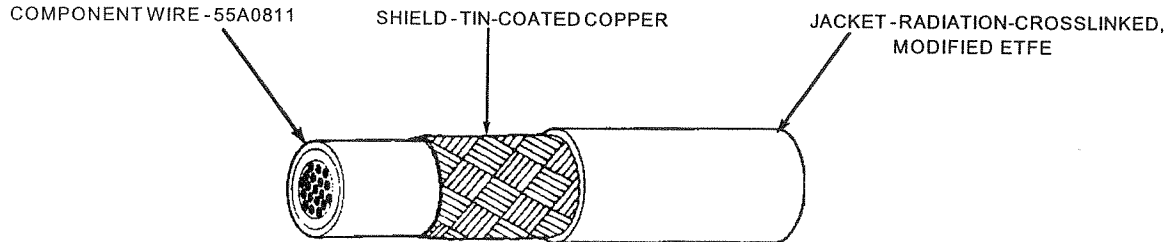
55A1811

TITLE ONE CONDUCTOR CABLE, RADIATION-CROSSLINKED, MODIFIED ETFE INSULATED, SHIELDED, JACKETED, NORMAL WEIGHT, 600 VOLT

Date 09-20-01

Revision F

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



| CABLE CONSTRUCTION DETAILS |                      |                   |                           |         |                           |         |                               |
|----------------------------|----------------------|-------------------|---------------------------|---------|---------------------------|---------|-------------------------------|
| PARTNUMBER                 | CONDUCTOR SIZE (AWG) | SHIELD SIZE (AWG) | JACKET THICKNESS (inches) |         | OUTSIDE DIAMETER (inches) |         | MAXIMUM WEIGHT (lbs/1000 ft.) |
|                            |                      |                   | MINIMUM                   | NOMINAL | NOMINAL                   | MAXIMUM |                               |
| 55A1811-30-*               | 30                   | 38                | .006                      | .008    | .065                      | .070    | 4.0                           |
| 55A1811-28-*               | 28                   | 38                | .006                      | .008    | .068                      | .073    | 4.5                           |
| 55A1811-26-*               | 26                   | 38                | .006                      | .008    | .073                      | .078    | 5.3                           |
| 55A1811-24-*               | 24                   | 38                | .006                      | .008    | .078                      | .083    | 6.3                           |
| 55A1811-22-*               | 22                   | 38                | .006                      | .008    | .084                      | .089    | 7.9                           |
| 55A1811-20-*               | 20                   | 38                | .006                      | .008    | .092                      | .097    | 10.0                          |
| 55A1811-18-*               | 18                   | 38                | .006                      | .008    | .103                      | .109    | 13.3                          |
| 55A1811-16-*               | 16                   | 38                | .006                      | .008    | .111                      | .117    | 16.0                          |
| 55A1811-14-*               | 14                   | 38                | .006                      | .008    | .128                      | .134    | 22.2                          |
| 55A1811-12-*               | 12                   | 38                | .006                      | .008    | .145                      | .151    | 30.3                          |
| 55A1811-10-*               | 10                   | 38                | .006                      | .008    | .168                      | .176    | 45.0                          |
| 55A1811- 8-*               | 8                    | 38                | .007                      | .009    | .229                      | .250    | 76.6                          |
| 55A1811- 6-*               | 6                    | 38                | .007                      | .009    | .275                      | .286    | 115.                          |
| 55A1811- 4-*               | 4                    | 36                | .008                      | .010    | .350                      | .368    | 181.                          |
| 55A1811- 2-*               | 2                    | 34                | .009                      | .011    | .456                      | .479    | 297.                          |
| 55A1811- 1-*               | 1                    | 34                | .009                      | .011    | .518                      | .544    | 380.                          |
| 55A1811- 0-*               | 0                    | 34                | .010                      | .012    | .560                      | .588    | 444.                          |
| 55A1811- 00-*              | 00                   | 34                | .010                      | .012    | .620                      | .651    | 568.                          |
| 55A1811-000-*              | 000                  | 34                | .012                      | .014    | .664                      | .697    | 672.                          |

### 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 (rms), 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 lbf/in<sup>2</sup> (minimum)  
 JACKET FLAWS:  
 Spark Test, 1000 volts (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 ± 2°C for 4 hours  
 SHIELD COVERAGE: 85% (minimum)  
 VOLTAGE WITHSTAND TEST (POST ENVIRONMENTAL):  
 1000 volts (rms), 60 Hz, 1 minute

PARTNUMBER:  
 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.  
 Example: AWG 20, white component wire; white jacket:  
 55A1811-20-9-9

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.

**Raychem**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Hook-up Wire](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[M81044/12-22-6](#) [M81044/9-8-9](#) [CV5509-000](#) [743094-001](#) [81044/12-18-9CS3209](#) [8538-009-1000](#) [BFWUL3239-24-PINK](#) [22759/34-16-9CS2621](#) [22759/42-24-9CS2620](#) [933205-000](#) [284711-000](#) [961473-000](#) [99M0111-20-2](#) [A00594-000](#) [190571-000](#) [22759/41-12-9CS2620](#) [22759/41-16-9CS2620](#) [22759/43-10-9CS2873](#) [265925-000](#) [CM9524-000](#) [31510-010-250](#) [31514-009-500](#) [34430-010-250](#) [M81044/9-4-9](#) [391441-BK007](#) [400R0111-10-9](#) [431660-000](#) [ATFC0311-20-0](#) [ATFC0311-20-3](#) [44/7024-26-9-9](#) [44A0112-22-9CS3184](#) [456157-000](#) [55/0312-26-6L-CS2570](#) [31514-010-4000](#) [55A0811-12-9](#) [55A6087-20-9-9-9](#) [55A6315-22-9-9CS2632](#) [55A7400-22-9/96-9CS2275](#) [55A9002-30-5](#) [55PC0211-20-5CS2502](#) [55PC0811-6-9CS2637](#) [55PC1211-22-9-9CS3278](#) [C07683-000](#) [32820-009-5000](#) [34020-008-2000](#) [34406-010-1000](#) [358838-000](#) [391850-BK199](#) [392075-RD199](#) [W28-6HU](#)