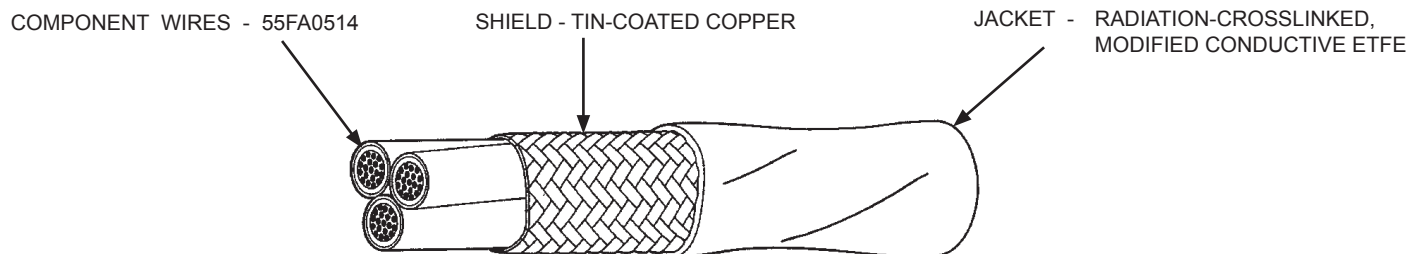


| SPECIFICATION CONTROL DRAWING                                                           |                                                                                 | 55FB2534        |               |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------|---------------|
| TITLE                                                                                   | THREE CONDUCTOR CABLE, FLAT BRAID SHIELDED, JACKETED, FILTER LINE - ELECTROLOSS | Date<br>7-30-10 | Revision<br>D |
| This specification sheet forms a part of the latest issue of Raychem Specification 55F. |                                                                                 |                 |               |



| CABLE CONSTRUCTION DETAILS |                            |                                                |                           |         |                           |         |                                     | JACKET<br>FLEXURE<br>ENDURANCE<br>MANDREL<br>DIAMETER<br>(in.) (± 3%) |
|----------------------------|----------------------------|------------------------------------------------|---------------------------|---------|---------------------------|---------|-------------------------------------|-----------------------------------------------------------------------|
| PART NUMBER<br><u>1/</u>   | CONDUCTOR<br>SIZE<br>(AWG) | SHIELD<br>STRAND<br>THICKNESS<br>(± .0004 in.) | JACKET THICKNESS<br>(in.) |         | OUTSIDE DIAMETER<br>(in.) |         | MAXIMUM<br>WEIGHT<br>(lbs/1000 ft.) |                                                                       |
|                            |                            |                                                | MINIMUM                   | NOMINAL | NOMINAL                   | MAXIMUM |                                     |                                                                       |
| 55FB2534-24-*              | 24                         | .0015                                          | .006                      | .008    | .120                      | .126    | 14.0                                | .325                                                                  |

#### CABLE RATINGS AND ADDITIONAL REQUIREMENTS

##### TEMPERATURE RATING: 150°C

Maximum continuous conductor temperature  
VOLTAGE RATING: 600 volts (rms) at sea level  
BLOCKING: 200 ± 3°C for 6 hours  
CROSSLINKING PROOF TEST: 300 ± 3°C for 7 hours  
FLAMMABILITY: 3 seconds (maximum); 3 in. (maximum);  
no flaming of facial tissue  
FLUORIDE EXTRACTION:  
70 ± 2° C for 168 hours, 250 ppm (maximum)  
IDENTIFICATION AND COLOR STRIPING DURABILITY:  
125 cycles (250 strokes) (minimum), 500 g weight  
JACKET COLOR: Black  
JACKET ELONGATION AND TENSILE STRENGTH:  
Elongation, 50% (minimum)  
Tensile Strength, 3500 lbf/in<sup>2</sup> (minimum)

NOTE: Nominal values are for information only.  
Nominal values are not requirements.

##### JACKET FLAWS: Not Applicable

JACKET FLEXURE ENDURANCE: 10 cycles, no cracking  
LIFE CYCLE: 200 ± 3°C for 168 hours  
LOW TEMPERATURE-COLD BEND: -65 ± 2°C for 4 hours  
SHIELD COVERAGE: 85% (minimum)  
VOLTAGE WITHSTAND (DIELECTRIC):  
Conductor to conductor and shield, 1500 volts (rms), 60 Hz  
VOLTAGE WITHSTAND (Post Environmental): Not Applicable

##### 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. Violet shall be light violet and the designator shall be 7L. Colors shown do not necessarily reflect the sequence of manufacturing.

Example: AWG 24, light violet, light violet with an orange stripe and light violet with a blue stripe component wires, black jacket:  
55FB2534-24-7L/7L3/7L6-0

This product meets or exceeds all requirements of SAE AS85485, less identification.  
Size 24 AWG internal wires meet or exceed all requirements of SAE AS85485/10, less identification.

|                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                    |  |                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice.<br>Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.                                                                                                        |                                                                                                                                                                    |  |                                                                                                                                                                                                                 |
| 1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. 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                                                                                                                                                                                                                                                                                                                                                                                                            | The TE logo, Tyco Electronics, Electroloss and Raychem are trademarks.                                                                                             |  | <br>Raychem Wire & Cable<br>501 Oaks Avenue<br>Redwood City, CA 94063-3800<br>Phone: 1-800-227-8816<br>Fax: 1-650-361-6297 |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL                                                                                              |  |                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                        | THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.<br>REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID. |  |                                                                                                                                                                                                                 |

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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