SPECIFICATION CONTROL DRAWING

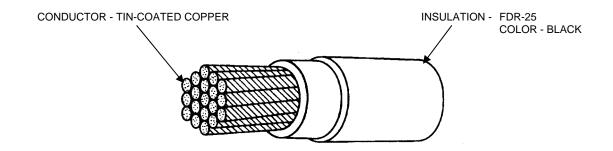
FDR25S

G

WIRE, RADIATION-CROSSLINKED, POLYESTER BLEND-INSULATED, FLEXIBLE CABLE, 1000 VOLT

Date 3-14-14

This specification sheet forms a part of the latest issue of Raychem Specification WCD 3304 to the extent as specified herein.



CONSTRUCTION DETAILS									
	WIRE SIZE (AWG)	CONDUCTOR STRANDING (number x AWG)	DIAMETER OF STRANDED CONDUCTOR (inch) (mm)		FINISHED WIRE				
PART NUMBER <u>1</u> /					MAXIMUM RESISTANCE AT 20°C (ohms/1000 ft.)	DIAMETER (inch) <i>(mm)</i>			MAXIMUM WEIGHT (lbs/1000 ft.) (kg/km)
			MINIMUM	MAXIMUM	(ohms/km)	MINIMUM	NOMINAL	MAXIMUM	(ng/ni//
FDR25S-8	8	1078 x 38	.160 <i>(4.06)</i>	.180 <i>(4.57)</i>	.711 (2.33)	.244 (6.20)	.256 (6.50)	.268 (6.81)	77.6 (115.)
FDR25S-4	4	1666 x 36	.250 (6.35)	.290 (7.37)	.275 (.902)	.369 (9.37)	.384 (9.75)	.399 (10.1)	176. <i>(262.)</i>
FDR25S-2	2	2646 x 36	.323 (8.20)	.347 (8.81)	.171 (.561)	.498 (12.6)	.515 (13.1)	.532 (13.5)	306. <i>(455.)</i>
FDR25S-0	0	4256 x 36	.390 (9.91)	.430 (10.9)	.110 (.361)	.582 (14.8)	.602 (15.3)	.622 (15.8)	442. (658.)
FDR25S-00	00	5320 x 36	.440 (11.2)	.480 (12.2)	.087 (.285)	.644 <i>(16.4)</i>	.668 (17.0)	.692 (17.6)	551. <i>(820.)</i>
FDR25S-000	000	6783 x 36	.510 (13.0)	.550 (14.0)	.068 (.223)	.730 (18.5)	.754 (19.2)	.778 (19.8)	699. <i>(1040.)</i>
FDR25S-0000	0000	8379 x 36	.640 (16.3)	.680 (17.3)	.055 (.180)	.860 (21.8)	.884 (22.5)	.908 (23.1)	933. (1388.)

WIRE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 125°C

Maximum continuous conductor temperature VOLTAGE RATING: 1000 volts (rms) at sea level

CONCENTRICITY: 70% (minimum)

INSULATION ELONGATION AND TENSILE STRENGTH

(both layers pulled together): Elongation, 300% (minimum)

Page 1 of 1

Tensile Strength, 2000 lbf/in² (14 N/mm²) (minimum) INSULATION (JACKET) FLAWS: Spark Test, 3.0 kV (rms)

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics Corporation 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 SHALL BE IN ACCORDANCE WITH MIL-STD-681. OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

Raychem, TE Connectivity, TE connectivity (logo), and TE (logo) are trademarks

DIMENSIONS ARE IN INCHES AND, UNLESS OTHERWISE DESIGNATED, ARE NOMINAL

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN



Raychem Wire & Cable Raycnem vine 2 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297