

SPECIFICATION CONTROL DRAWING

SCD

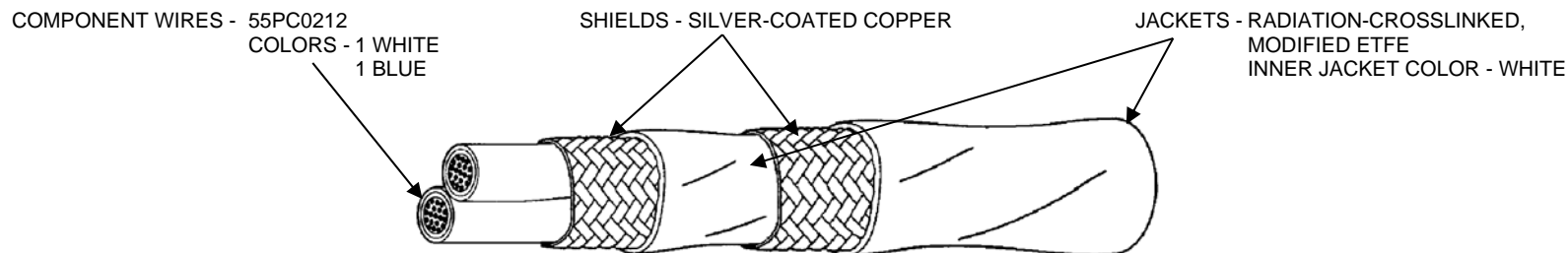
55PC6356

Title TWO CONDUCTOR CABLE, DOUBLE FLAT BRAID SHIELDED, DOUBLE JACKETED,
GENERAL PURPOSE, 600 VOLT

Date 3-7-16

Revision B

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



CABLE CONSTRUCTION DETAILS

PART NUMBER 1/	CONDUCTOR SIZE (AWG)	INNER SHIELD STRAND THICKNESS (± .0004 in.)	INNER JACKET THICKNESS (inch)		OUTER SHIELD STRAND THICKNESS (± .0004 in.)	OUTER JACKET THICKNESS (inch)		OUTSIDE DIAMETER (inch)			WEIGHT (lbs/1000 ft.)	
			LOWER SPEC LIMIT	TARGET WALL		LOWER SPEC LIMIT	TARGET WALL	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
55PC6356-22-*	22	.0015	.0060	.0075	.0015	.0060	.0080	.129	.136	.143	14.94	16.14
55PC6356-20-*	20	.0015	.0060	.0080	.0015	.0060	.0080	.146	.154	.162	19.50	20.96
55PC6356-18-*	18	.0015	.0060	.0080	.0015	.0065	.0085	.165	.174	.183	25.89	27.67
55PC6356-16-*	16	.0015	.0060	.0080	.0015	.0065	.0085	.179	.189	.199	30.71	32.71

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms) at sea level

CROSSLINKED VERIFICATION: 300 ± 3°C for 1 hour

DIELECTRIC WITHSTAND:

1500 volts (rms), 60 Hz, conductor to conductor and shield

500 volts (rms), 60 Hz, shield to shield

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum) (each)

Tensile Strength, 5000 lbf/in² (minimum) (each)

JACKET FLAWS:

Spark Test, 1000 volts (rms)

Impulse Dielectric Test, 6.0 kV (peak)

SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND (Post Environmental):

1000 volts (rms), 60 Hz, 1 minute

1/ PART NUMBER:

The *** in the part numbers above shall be replaced by a color code designator to represent the outer jacket color.

Example: AWG 20, white outer jacket: 55PC6356-20-9

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 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.