

SPECIFICATION CONTROL DRAWING

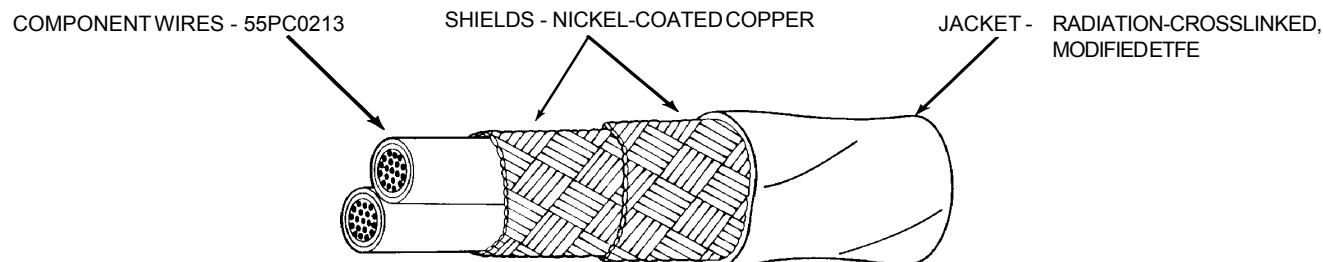
55PC6146

TITLE TWO CONDUCTOR CABLE, DOUBLE SHIELDED, JACKETED, 600 VOLT

Date 01-23-01

Revision B

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



CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	INNER SHIELD SIZE (AWG)	OUTER SHIELD SIZE (AWG)	JACKET THICKNESS (in.)		DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
				LOWERSPEC LIMIT	TARGET WALL	LOWERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT	TARGET VALUE	UPPERSPEC LIMIT
55PC6146-24-*	24	38	38	.0055	.0070	.123	.128	.133	14.48	15.03
55PC6146-22-*	22	38	38	.0055	.0070	.135	.140	.145	17.56	18.14
55PC6146-20-*	20	38	38	.0055	.0070	.152	.157	.162	22.27	22.92
55PC6146-18-*	18	38	38	.0060	.0075	.172	.177	.182	28.84	29.66
55PC6146-16-*	16	38	38	.0060	.0075	.187	.192	.197	33.97	34.86
55PC6146-14-*	14	38	38	.0060	.0080	.218	.223	.228	46.37	47.51
55PC6146-12-*	12	38	38	.0060	.0080	.255	.261	.267	64.15	65.58
55PC6146-10-*	10	36	36	.0065	.0085	.312	.320	.328	99.55	101.87
55PC6146-8-*	8	36	34	.0070	.0090	.438	.448	.458	176.04	182.80

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

DIELECTRIC WITHSTAND: 1500 volts (rms), 60 Hz

CROSSLINKING PROOF TEST: 300 ± 3°C for 1 hour

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lbf/in² (minimum)

JACKET FLAWS:

Spark Test, 1000 volts (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100 % test

SHIELD COVERAGE: 85% (minimum) (each)

VOLTAGE WITHSTAND TEST (Post Environmental):

1000 volts (rms), 60 Hz, 1 minute

PART NUMBER:

The "*" in the part numbers above shall be replaced by color code designator with a slash separating the component wire colors and a dash separating the component wire colors from the jacket color.

Example: AWG 22, red and blue component wires; white jacket:

55PC6146-22-2/6-9

COLOR AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681.

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