

# ICATION CONTROL DRAWING

## 55PC0813

RE, RADIATION-CROSSLINKED, MODIFIED, ETFE-INSULATED,  
GENERAL PURPOSE, NORMAL AIRFRAME

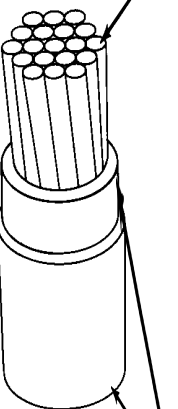
Date 07-15-04

Revision D

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

CONDUCTOR - NICKEL-COATED COPPER

INSULATION - RADIATION-CROSSLINKED,  
MODIFIED ETFE



CONSTRUCTION DETAILS

CONDUCTOR STRANDING (number x AWG)	CONDUCTOR DIAMETER (in.)			MAXIMUM RESISTANCE AT 20°C (ohms/1000ft.)	FINISHED WIRE DIAMETER (in.)			WEIGHT (lbs/1000 ft.)	
	LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT		LOWER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT	TARGET VALUE	UPPER SPEC LIMIT
19 x 38	.0175	.0183	.0191	42.2	.0386	.0385	.0404	1.55	1.70
19 x 36	.0225	.0233	.0241	25.9	.0416	.0435	.0454	2.18	2.34
19 x 34	.0285	.0293	.0301	16.0	.0476	.0495	.0514	3.12	3.30
19 x 32	.0385	.0375	.0385	9.77	.0561	.0580	.0599	4.64	4.85
19 x 30	.0452	.0464	.0476	6.10	.0659	.0680	.0701	6.94	7.27
19 x 29	.0514	.0527	.0538	4.76	.0737	.0760	.0783	8.80	9.17
19 x 27	.0644	.0659	.0674	3.00	.0896	.0920	.0944	13.50	13.99
37 x 28	.0825	.0845	.0865	1.98	.1076	.1105	.1134	20.45	21.08
37 x 26	.1050	.1070	.1090	1.24	.1290	.1330	.1370	31.73	32.78
133 x 29	.158	.163	.169	.694	.188	.196	.203	56.8	59.9
133 x 27	.198	.205	.212	.436	.233	.242	.251	89.7	94.7
133 x 25	.250	.260	.268	.275	.300	.311	.322	146.	154.
665 x 30	.320	.330	.340	.177	.370	.383	.397	227.	240.
1045 x 30	.395	.415	.425	.113	.449	.466	.483	343.	366.
1330 x 30	.440	.462	.475	.089	.505	.525	.545	450.	481.

### WIRE RATINGS AND ADDITIONAL REQUIREMENTS

INSULATION ELONGATION AND TENSILE STRENGTH: SHRINKAGE: 230 ± 3°C for 1 hour, 0.125 in. (maximum) in 12 in. VOLTAGE WITHSTAND TEST (Post Environmental): 2500 volts (rms)

INSULATION FLAWS: PART NUMBER: The "\*" in the part numbers above shall be replaced by color code designators. 1/ Example: AWG 22, white: 55PC0813-22-9 AWG 22, white with black stripe: 55PC0813-22-90

INSULATION THICKNESS: .010 in. (nominal) total insulation

should evaluate the suitability of this product for their application. Specifications are subject to change without notice. reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.

AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-481. OTHER CODES AND SUFFIXES MAY BE USED TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.

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

THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.



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