

Conductor -

Bare Copper

Specification Control Drawing

ACW0219 Issue 8 24th May 2011

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WIRE, MODIFIED FLUOROPOLYMER INSULATED, T4 (3000 Hours @ 150°C) 50 VOLT, LIGHTWEIGHT The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of Raychem Specification WSD 1223

Insulation Radiation Crosslinked, Modified, Polyalkene Blend Jacket Radiation Crosslinked Modified PVF2

Part	Conductor	Maximum	Conductor	FINISHED WIRE							
Number	Cross	Conductor	Diameter	Conductor		Overall	Di	iameter (m	m)	Approximate	Copper
	Sectional	Stranding	(mm)	Resistance		Insulation	Lower		Upper	Weight Per	Weight
	Area	No./ diam.		@20°C (ohms/ km)		Thickness	Spec	Target	Spec	Unit Length	Information
	(mm²)	(mm)	Max.	Min.	Max.	Min. (mm)	Limit		Limit	(kg/ km)	only (g/ m)
ACW0219-0.35-*	0.35	7/0.26	0.80	47.8	52.0	0.20	1.2	1.3	1.4	4.5	3.05
ACW0219-0.50-*	0.50	19/0.19	1.00	34.1	37.1	0.22	1.4	1.5	1.6	6	4.40
ACW0219-0.75-*	0.75	19/0.23	1.20	22.7	24.7	0.24	1.7	1.8	1.9	9.4	6.50
ACW0219-1.00-*	1.00	19/0.26	1.35	17.0	18.5	0.24	1.9	2.0	2.1	11	8.50
ACW0219-1.50-*	1.50	19/0.32	1.70	11.7	12.7	0.24	2.2	2.3	2.4	16	12.6
ACW0219-2.50-*	2.50	19/0.41	2.15	7.00	7.60	0.28	2.7	2.85	3.0	25	21.0
ACW0219-4.0-*	4.00	56/0.31	2.50	4.42	4.70	0.32	3.4	3.55	3.7	40	36.0
ACW0219-6.0-*	6.00	84/0.31	2.95	2.91	3.10	0.32	4.0	4.15	4.3	61	54.0
ACW0219-10.0-*	10.0	80/0.41	4.50	1.70	1.82	0.48	5.5	5.75	6.0	104	95.0

COLOUR CODE: The '*' in the part number shall be replaced by a standard numerical colour code designator.

Additional number after base colour indicates stripe.

e.g. ACW0219-0.50-96 White base colour with blue stripe.

Where stripes are required, the wire carries two co-extruded longitudinal stripes of the same colour.

The individual stripe width is a minimum of 10% of the wire circumference

with an overall stripe coverage of 30% maximum

component use,

Co-extruded longitudinal stripes are not available on gauge size 10.0 mm.

ADDITIONAL Insulation Flaws:

REQUIREMENTS:

TESTING: 100% Spark Test on Finished wire of 5.0 kV High Frequency AC RMS or equivalent.

MARKING All wire to be marked, with the following exceptions, Wire for:

Electronic approval - no signatures will appear.

Spoo

Spooling instruction S50 and SMP-SP.

Frequency of mark:

Repeat mark along length of wire at a distance of 165 mm between the start of one mark and the start of another.

Colour of mark:

- □ All black base products regardless of stripe colour are to be marked using white ink.
- □ All other base colours except black regardless of stripe colour are to be marked using black ink.

MARK DETAIL: NOT TO SCALE



APPROVAL: Tyco Electronics UK Ltd

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