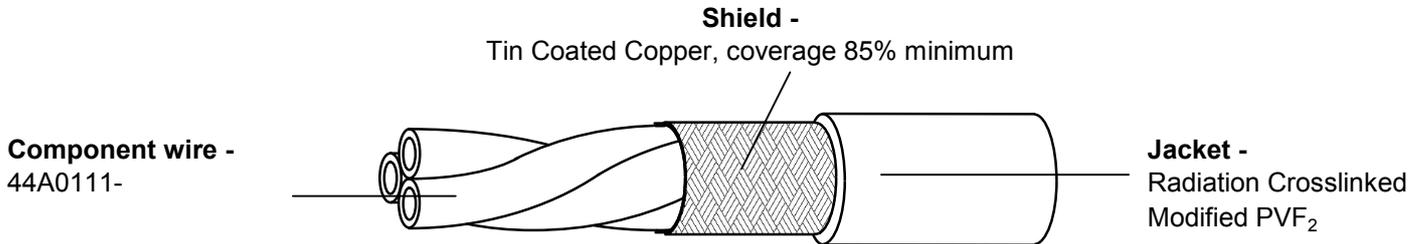


Specification Control Drawing

TWO CONDUCTOR CABLE, RADIATION CROSSLINKED POLYALKENE INSULATED,
SHIELDED AND JACKETED, LIGHTWEIGHT, 150°C, 600 VOLT.

The complete requirements for procuring the wire described herein shall consist of this document.



Part Number	Wire Size	Shield Size (mm)	Jacket Thickness (mm)		Overall Diameter (mm)		Maximum Weight (kg/ km)
			Min	Nom	Target	Max	
44A1131-30-*/**/*-*	30	0.10	0.15	0.20	2.33	2.44	10.4
44A1131-28-*/**/*-*	28	0.10	0.15	0.20	2.49	2.62	12.2

CABLE PERFORMANCE DETAIL			
Part Number	Mandrel Diameter (mm ± 3%) Life Cycle, Immersion, Accelerated Ageing and Cold	Weight (kg ± 3%)	
		Life Cycle, Immersion and Accelerated Ageing	Cold Bend
44A1131-30-*/**/*-*	63.5	0.17	1.02
44A1131-28-*/**/*-*	69.9	0.17	1.02

COLOUR CODE: The '**' in the part number shall be replaced by a standard colour code designator in accordance with Mil Std 681.
e.g. 44A1131-28-2/4/6-9, cores red/ yellow/ blue, jacket white
White preferred

PERFORMANCE REQUIREMENTS: To be tested in accordance with the issue in effect of QP-D-004 and meet the requirements of below:

Accelerated Ageing: 300 ± 3°C for 6 hours
Blocking: 150 ± 3°C for 6 hours
Dielectric Withstand: 2.5 kV (rms) for 1 minute
Flammability: 30 seconds Max.
76 mm Max. no flaming tissue.
Immersion: Diameter increase 5% Max.
no cracking, no dielectric breakdown
Jacket Elongation and Tensile Strength:
Elongation: 200% Min.
Tensile Strength: 27.6 N/ mm² Min.

Jacket Flaws:
Spark Test: 1.5 kV (rms) 100% test
Life Cycle: 200 ± 3°C for 168 hours
Low Temperature - Cold Bend:
-65 ± 2°C for 4 hours
Voltage Withstand Test (Post Environmental):
(After Accelerated Ageing, Immersion,
Life Cycle and Low Temperature-Cold Bend)
1 kV (rms) for 1 minute

APPROVAL: Electronic sign off - no signatures will appear.

Tyco Electronics
UK Ltd
Faraday Road
Dorcan
SWINDON
SN3 5HH
Tel: (01793) 528171
Telex: 449409

Registration Number:
550926 London, England

This drawing and the information set forth hereon are the property of Tyco Electronics UK Ltd, and are to be held in trust and confidence. Publication, duplication, disclosure or use for any purpose not expressly authorised in writing by Tyco Electronics UK Ltd is prohibited.

This specification sheet takes precedence over documents referenced herein. As Tyco Electronics UK Ltd. reserve the right to make changes in construction without notice please contact Tyco Electronics UK Ltd to ensure that this document is the latest issue.