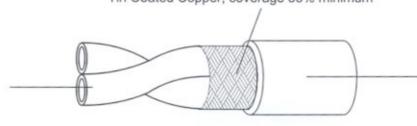
TWO CONDUCTOR CABLE, RADIATION CROSSLINKED POLYALKENE INSULATED, SHIELDED AND JACKETED, LIGHTWEIGHT, 150°C, 600 VOLT.

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

Shield -

Tin Coated Copper, coverage 85% minimum

Component wire -44A0111-



Jacket -Radiation Crosslinked Modified PVF₂

Part Number	Wire Size	Shield Size (mm)	Jacket Thickness (mm)		Overall Diameter (mm)		Maximum Weight
			Min	Nom	Target	Max	(kg/km)
44A1121-30-*/*-*	30	0.10	0.15	0.20	2.22	2.33	8.74
44A1121-28-*/*-*	28	0.10	0.15	0.20	2.37	2.49	10.1

	CABLE PERFORMANC	E DETAIL		
Part	Mandrel Diameter (mm ± 3%)	Weight (kg ± 3%)		
Number	Life Cycle, Immersion, Accelerated Ageing and Cold	Life Cycle, Immersion and Accelerated Ageing	Cold	
44A1121-30-*/*-*	63.5	0.11	0.68	
44A1121-28-*/*-*	69.9	0.11	0.68	

COLOUR CODE:

The '*' in the part number shall be replaced by a standard colour code

designator in accordance with Mil Std 681.

e.g. 44A1121-28-2/6-9, cores red/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

10 DESIGN PROD. MAN. TECHNICAL MANUFACTURE
AGoman Common 10/6/04. 10/6/04. 10/6/04.

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