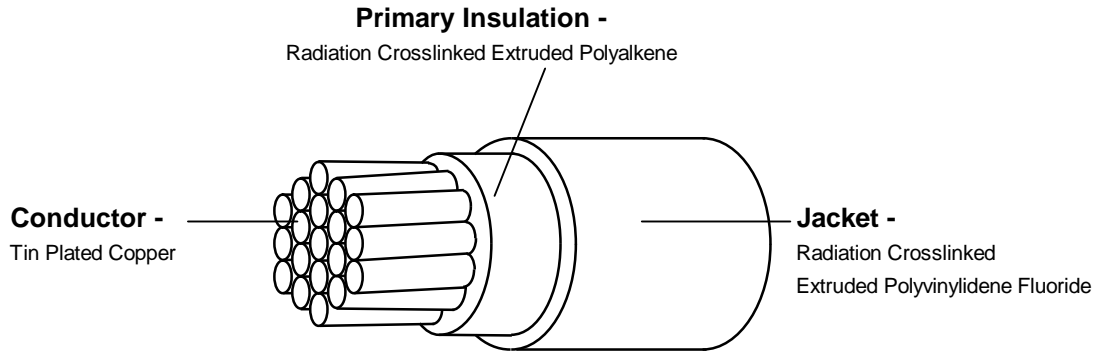


Specification Control Drawing

WIRE, POLYALKENE INSULATED, 600 VOLT, 120°C, LIGHTWEIGHT

The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of Maintenance Range of Def Stan 61-12(Part 18) Type 1



Part Description	CONDUCTOR			FINISHED WIRE						
	Stranding No./Diam. (mm)	Diameter (mm)		Maximum Resistance @20 °C (ohms/km)	Insulation Thickness (mm)		Diameter (mm)			Maximum Weight (kg/km)
		Min.	Max.		Min.	Nom.	Lower Spec Limit	Target	Upper Spec Limit	
44M9976-28-*	7/0.12	0.33	0.38	259.0	0.15	0.20	0.71	0.76	0.80	1.50
44M9976-26-*	19/0.10	0.46	0.53	141.5	0.15	0.20	0.84	0.89	0.95	2.88
44M9976-24-*	19/0.12	0.55	0.62	95.6	0.15	0.20	0.97	1.02	1.05	3.45
44M9976-22-*	19/0.15	0.72	0.79	60.0	0.15	0.20	1.12	1.17	1.20	4.90
44M9976-20-*	19/0.20	0.94	1.04	33.2	0.15	0.20	1.42	1.47	1.50	7.56
44M9976-18-*	19/0.25	1.18	1.29	21.1	0.15	0.20	1.68	1.73	1.75	10.42
44M9976-16-*	19/0.30	1.39	1.53	14.5	0.15	0.20	1.91	1.96	2.00	16.50
44M9976-14-*	37/0.25	1.68	1.82	10.9	0.20	0.25	2.26	2.31	2.35	20.73
44M9976-12-*	37/0.30	2.02	2.18	7.6	0.20	0.25	2.57	2.64	2.70	27.08

ADDITIONAL PERFORMANCE REQUIREMENTS:

Insulation Tensile Strength: 18N/mm² minimum
Insulation Elongation: 150% minimum
Routine Accelerated Ageing test as per the 44A0111 SCD

COLOUR CODE:

The '*' in the part description shall be replaced by a standard colour code designator in accordance with Mil Std 681.

e.g. 44M9976-20-9 White insulation

APPROVAL:

Electronic sign off - no signatures will appear.

Tyco Electronics UK Ltd
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