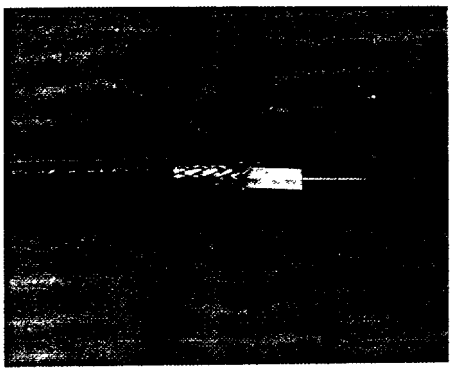
585-622 . 149-126 127 128

MIL-C-17 Co-axial Cables

A range of polyethylene and PTFE co-axial cables meeting the requirements specified in MIL-C-17. For wide temperature requirements (-55° C to+200° C) PTFE offers excellent characteristics. The fluorocarbon resins used in their construction are uncompounded materials and are chemically and environmentally stable. This gives excellent ageing stability for most operating conditions



Uses: Military and other high specification equipment
Conductors: As table
Insulation: As table
Sheath: As table.
Sheath colour: PVC Black.
PTFE Other colours to order
Packing: 100 and 500 metre reels

	POLYTHENE/PVC							PTFE/FEP (PTFE)			
	50 OHM			75 OHM			95 OHM	50 OHM			75 OHM
RG TYPE	RG58	RG174A/U	RG213/U	RG59	RG59 B/U Twin (each co-axial)	RG11A/U	RG62	RG142B/U	RG178B/U	RG188A/U	RG179B/U
Conductor Type	TC	CCS	PAC	CCS	CCS	TC	CCS	SPCSW	SPCSW	SPCSW	SPCSW
Conductor (No /mm)	19/0 18	7/0 16	7/0.75	1/0 58	1/0 58	7/0 4	1/0 64	1/0 991	7/0 1	7/0 17	7/0 1
Insulation	Polythene	Polythene	Polythene	Polythene	Polythene	Polythene	PTFE	PTFE	PTFE	PTFE	PTFE
Insulation Dia (mm)	2 95	1 52	7.25	3 70	3 70	7 25	3 70	2 95	0 864	1 63	1 60
Screen Braid	TC	TC	PAC	PAC	PAC	TC	TC	Double SPC	Single SPC	Single SPC	Single SPC
Screen Dia (mm)	3 50	1 95	8 13	4 40	4 40	8 13	4 45	4 34	1 37	2 06	2 13
Sheath	PVC	PVC	PVC	PVC	PVC	PVC	PVC	Ext FEP	Ext FEP	Tape PTFE	Ext FEP
Sheath Dia (mm)	4 95	2 80	10.30	6 15	6 15 x 12 2	10 30	6.15	4 95	1 78	2 59	2 54
Weight kg/1000 m	37	13	159	52	108	157	50	59	9 10	16	15
Capacitance (pF/m)	100	100	100	67	67	67	40	95	93	95	66
Impedance (ohms)	50	50	50	75	75	75	95	50	50	50	75
Attenuation dB per 100 metres at											
10 MHz								3 71	18 4	19 7	19 0
100 MHz								12 6	44 6	37 4	32 8
400 MHz	39 5	57 5	17 6	29 5	29 5	16 6	25 6	27 6	86 9	65 6	54 1
1000 MHz								44 6	148 0	98 4	75 4
Velocity Ratio	666	659	666	666	666	666	83	7	7	7	7