

CABLE TYPE RA7000 Multiway

GENERAL DESCRIPTION 75 Ohm Coaxial: 0.61 mm PACW Conductor, Cellular PE Dielectric, Alum/Poly/Adhesive Tape & TACW Braid Screen, LSZH Sheath, Overall Polyester Tape, PVC Jacket
RELEVANT STANDARDS To Internal CDT Standards & Specifications
 BT Specification CW1470

COMPONENT	MATERIAL BREAKDOWN	DIAMETER
Inner conductor	0.61 mm plain annealed copper wire solid	0.61 mm
Dielectric	Cellular polyethylene Nominal wall RT = 1.10 mm	2.80 mm
Screen 1	Alum/poly/adhv tape applied longitudinally under screen 2	2.90 mm
Screen 2	0.12 mm tinned annealed copper wire Nominal coverage of 95%	3.40 mm
Jacket	Low Smoke & Fume Nominal wall RT = 0.55 mm	4.50 ± 0.20 mm
Lay Up Binder	Cores as above twisted together Spiral wrapped with a polyester tape, 25% overlap	
Jacket	PolyVinylChloride	

Product	Bunch O.D mm	Sheath O.D mm	Radiall mm	Weight kg/km
8 Core	15.00	17.20	1.10	325
16 Core	21.25	24.25	1.50	650
32 Core	30.25	33.45	1.60	1190

ELECTRICAL PARAMETERS

Characteristic	Units	MHz	Value
Impedance	Ohm	200	75.0 ± 3.0
Capacitance	pF/m	0.001	56.0 ± 2.0
DC Resistance (Inner)	Ohm / km Max.	-	62.5
DC Resistance (Outer)	Ohm / km Max.	-	17.0
Attenuation	dB/100m Nom.	1	1.24
		5	2.88
		10	3.96
		30	6.53
		100	11.02
		180	14.50
		270	16.17
		360	17.64
Velocity of Propagation	%		78
Dielectric Constant			1.64