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COMPOSITE/HOME CONTROL 2 QUADS + 2 CAT5E + 2 Fibers

Two Coaxial cables CATV RG 6/U • 18 AWG CCS central conductor • Gas injected foam polyethylene insulation - Quad-shield, 2 aluminum braid plus 2 foil layers • PVC jackets, one black and the other white.

Two four-pair Cat 5E Cables • Solid copper conductors • Polyethylene insulation
 • Twisted & cabled pairs • PVC jackets, one white and the other blue

Two Fiber Distribution, Round Jacket • 62.5μ multimode fibers. • Tight buffer
 • Aramid yarn protection • PVC orange jacket

Outside Jacket • A flame retardant purple PVC jacket (0.035") • Overall diameter of cable is 0.75"

Application: Residential cabling with structured design for voice, data, video & any other high speed application.

Specifications: SCTE, ANSI/EIA/TIA 568 A, ANSI/CEA S83-596. ISO-9001: Quality assurance system. UL: Flame performance. ETL: UTP category. PACKAGING: Wooden reels with a standard length of 500 ft.

COAXIAL CABLE PROPERTIES

Catalog No.	Central conductor Resistance to c.d.	Insulation diameter Inches (mm)	Overall diameter Inches (mm)	Braid coverage Resistance to c.d.	Impedance :	Capacitance/ Propagation Speed	Attenuation	
							MHz	dB/100 m
P01C8	0.40" (18 AWG) 99.5: /km	0.180" (4.47)	0.295" (7.5)	1 st 60% 2 nd 40 % 35.6 : /km	75+/-3	55.7pF/m 81 %	55	5.3
							211	10.0
							300	11.6
							450	14.4
							550	16.1
							750	18.4
							1000	21.5

TWISTED PAIR PROPERTIES

Jacket thickness Inches (mm)	Overall diameter Inches (mm)	Conductor gauge Resistance to c.d.	Impedance Zo	Mutual capacitance pF/ ft (pF/m)	Properties in 100 m (328 ft)		
					Frequency MHz	Attenuation dB	PSNEXT dB
0.02" (0.52)	0.185" (4.7)	24AWG 90.5: /km	100 +/- 15 from 1 to 350 MHz	14 (45.9)	4	4.1	53
					10	6.5	47
					16	8.2	44
					31.25	11.7	39
					62.5	17.0	35
					100	22.0	32

FIBER PROPERTIES

Tight buffer diameter inches	External dimensions Inches (mm)	Minimum Bent radius inches	Attenuation db/km	Core diameter μm	Cladding diameter μm	Bandwidth mhz - Km	Numerical aperature
0.035 (900 μm)	.138 (3.5mm)	2.3 (60 mm)	3.2 @850nm .09 @1300nm	62.5+/-3	125+/-2	160 @850nm 500 @1300nm	.275 ±0.15

1-800-945-5542