

PLENUMAX Coaxial CATV Cable

6 Series Plenum - CATVP (Plenumax®)

18 gauge [0.040 in (1.02 mm)] copper covered steel center conductor; gas expanded Teflon® dielectric (FEP); inner shield aluminum laminated tape with overlap bonded to dielectric; outer shield of 34 AWG bare aluminum braid wire; jacket of plenum rated material. Nom. O.D. 0.237 in. (6.20 mm).

Catalog Number	Description	Cable Weight	Shipping Weight
		lbs/kft (kg/km)	lbs/kft (kg/km)
2275V (Vinyl Jacket Version)	Foam FEP dielectric, bonded tape, 60% braid, plenum rated jacket	29 (43)	33 (49)
2276V (Vinyl Jacket Version)	Foam FEP dielectric, bonded tape, 90% braid, plenum rated jacket	30 (45)	33 (49)
2227V (Vinyl Jacket Version)	Foam FEP dielectric, bonded tape,	32 (48)	35 (52)
2227K (Kynar Jacket Version)	60% braid, non-bonded tape, 40% braid, plenum rated jacket		

Physical Dimensions	Standard Shield	Super-Shield	Attenuation [@ 68°F (20°C)]		
			Frequency (MHz)	Typical (dB/100 ft)	Typical (dB/100 m)
	inches (mm)	inches (mm)			
Nominal Center Conductor Diameter	0.040 (1.02)	0.040 (1.02)	1	0.38	1.25
Nominal Diameter Over Dielectric	0.170 (4.57)	0.180 (4.57)	10	0.70	2.30
Nominal Diameter Over First Shield (Tape)	0.176 (4.75)	0.187 (4.75)	50	1.48	4.85
Nominal Diameter Over Jacket	0.237 (6.20)	0.284 (7.21)	100	2.01	6.59
Nominal Jacket Wall Thickness	0.016 (0.41)	0.020 (0.51)	200	2.86	9.38
			400	4.23	13.87
			700	5.96	19.55
			900	6.96	22.83
			1000	7.45	24.44
Electrical Characteristics					
Nominal Impedance	75 Ohms				

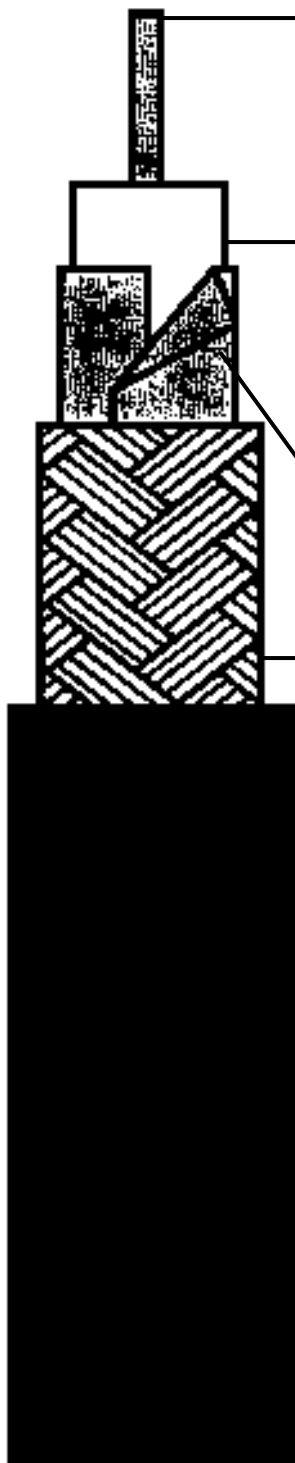
11 Series Plenum - CATVP (Plenumax®)

14 gauge [0.064 in (1.45 mm)] copper covered steel center conductor; gas expanded Teflon® dielectric (FEP); inner shield aluminum laminated tape with overlap bonded to dielectric; outer shield of 34 AWG bare aluminum braid wire; jacket of plenum rated material. Nom. O.D. 0.351 in (8.92 mm).

Catalog Number	Description	Cable Weight	Shipping Weight
		lbs/kft (kg/km)	lbs/kft (kg/km)
2285K (Kynar Jacket Version)	Foam FEP dielectric, bonded tape, 60% braid, plenum rated jacket	57 (85)	64 (95)
2287K (Kynar Jacket Version)	Foam FEP dielectric, bonded tape, 60% braid, non-bonded tape, 40% braid , plenum rated jacket	66 (98)	73 (109)

Physical Dimensions	Standard Shield	Super-Shield	Attenuation [@ 68°F (20°C)]		
			Frequency (MHz)	Typical (dB/100 ft)	Typical (dB/100 m)
	inches (mm)	inches (mm)			
Nominal Center Conductor Diameter	0.064 (1.63)	0.064 (1.63)	1	0.20	0.66
Nominal Diameter Over Dielectric	0.280 (7.11)	0.280 (7.11)	10	0.45	1.48
Nominal Diameter Over First Shield (Tape)	0.286 (7.26)	0.287 (7.29)	50	0.90	2.95
Nominal Diameter Over Jacket	0.351 (8.92)	0.372 (9.45)	100	1.28	4.20
Nominal Jacket Wall Thickness	0.020 (0.51)	0.020 (0.51)	200	1.85	6.07
			400	2.75	9.02
			700	3.92	12.86
			900	4.72	15.48
			1000	5.04	16.53
Electrical Characteristics					
Nominal Impedance	75 Ohms				

Cable Construction



Conductor

- BC - Bare Copper
- SC - Silvered Copper
- TC - Tinned Copper
- CCAL - Copper Clad Aluminum
- CCS - Copper Covered Steel

Dielectric

- PE - Polyethylene (solid)
- FP- Foamed Polyethylene
- FEP - Teflon®/Fluorinated Ethylene Propylene (solid)
- FFEP - Foamed Teflon®/Fluorinated Ethylene Propylene
- AD/PE - Air Dielectric/Polyethylene

Shielding

FOIL - Aluminum bonded to both sides of a polypropylene or polyester tape. When foil is used in conjunction with a braid shield, FOIL will be followed with a + and a letter/number combination.

BRAID- Strong, flexible wire braid is used to shield many of our cables. Braid designation is given as a percentage figure followed by a two letter code (i.e. 96% TC would be 96% coverage of a tinned copper braid).

- ALS - Aluminum Sheath
- AL - Aluminum Braid
- BC - Bare Copper Braid
- SC - Silvered Copper Braid
- TC - Tinned Copper Braid
- XX% - the percentage coverage offered by the braid

Jacketing

- FEP - Teflon®/Fluorinated Ethylene Propylene (used in plenum cables)
- K - Kynar®/Polyvinylidene Fluoride (used in plenum cables)
- PVDF - generic Polyvinylidene Fluoride (used in plenum cables)
- PE - Polyethylene
- PVC - Polyvinylchloride
- V - CommFlex - (used in plenum cables)

Teflon is a registered trademark of Dupont Corporation.
Kynar is a registered trademark of Pennwalt Corporation.

Comm/Scope Plenumax Coaxial Cable

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Specifications Subject To Change Without Notice.