

# Analog Multi-Pair Snake Cable

CMP Rated (Plenum) Cables

Individually Shielded Twisted Pairs



## Individually Shielded Pairs

NEC: CMP (CEC: CMP FT6)

### Product Description

**22 AWG** stranded (7x30) tinned copper conductors. FEP insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall jacket per table below. 22 AWG stranded tinned copper drain wire.

Color Code: See Chart 3 (in Technical Information Section)

### Specifications

Nominal OD — Conductor .030" (.76mm)

Nominal OD — Insulation .050" (1.27mm)

#### Overall Jacket

88000 Series	FEP
87000 Series	PVDF
82000 Series	Flamarrest®

#### Approvals

NEC	CMP
CEC	CMP FT6

#### UL Ratings

Non-conduit

#### Voltage Rating

300V RMS

#### Temperature Rating

88000 Series	200°C
87000 Series	150°C
82000 Series	60°C

#### Nominal DCR

Conductor	16.0Ω/M' (52.5Ω/km)
Shield	11.3Ω/M' (37.1Ω/km)

#### Nominal Impedance

82000 Series	46Ω
87000, 88000 Series	50Ω

#### Nominal Velocity of Propagation

82000 Series	62%
87000, 88000 Series	69%

#### Nominal Capacitance (82000 Series)

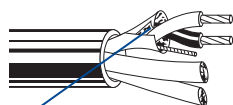
Between Conductors	35 pF/Ft. (115 pF/m)
Between Conductor/Shield*	76 pF/Ft. (249 pF/m)

#### Nominal Capacitance (87000, 88000 Series)

Between Conductors	31 pF/Ft. (102 pF/m)
Between Conductor/Shield*	67 pF/Ft. (220 pF/m)

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

\*Capacitance between one conductor and other conductors connected to shield.



Z-Fold®

Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm

### Plenum-Rated Twisted Pairs NEC: CMP (CEC: CMP FT6)

22 AWG							
88777	3	100	30.5	6.0	2.7	.234	5.94
		500†	152.4	19.0	8.6		
		1000†	304.8	42.0	19.1		
88778	6	100	30.5	7.0	3.2	.309	7.85
		500†	152.4	38.5	17.5		
		1000†	304.8	75.0	34.1		
87777	3	500†	152.4	18.0	8.2	.234	5.94
		1000†	304.8	40.0	18.2		
87778	6	500†	152.4	37.5	17.0	.309	7.85
		1000†	304.8	73.0	33.2		
82777	3	U-500†	U-152.4	19.5	8.9	.237	6.02
		U-1000	U-304.8	38.0	17.3		
		1000†	304.8	39.0	17.7		
82778	6	1000†	304.8	71.0	32.2	.314	7.98

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and UnReel U-500 and -10% to +5% for UnReel U-1000 from length shown.