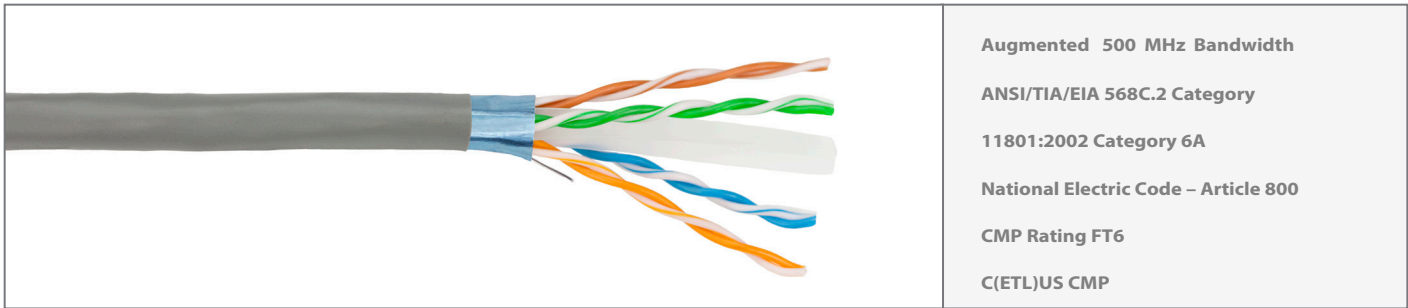


CN423C6ASP

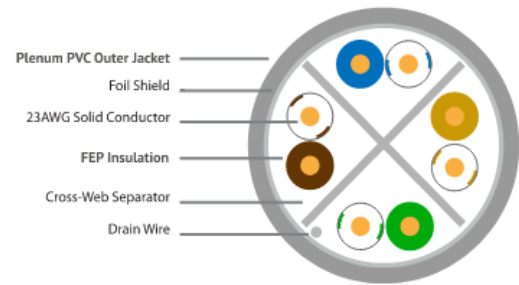
Category 6A Shielded Augmented 500 MHz Plenum Rated



Part Number: **CN423C6ASP**
Description: **Category 6A Shielded Augmented 500 MHz Plenum Rated**

Materials & Dimensions

Conductors	(8) 23AWG Solid BC (Configured as 4 Pairs)
Insulation	FEP, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Separator	Cross-Web PVC
Shield	100% Foil w/ 26AWG Solid TC Drain Wire
Jacket	PVC
Overall Diameter	.315"



Performance Characteristics

DCR	DCR Unbalanced	Characteristic Impedance	Max. Delay Skew	Capacitance/Capacitance Unbalanced	Max. Conductor DCR	Weight	Velocity of Propagation
28.6Ω/1000ft	5%	from 0.772 - 100 MHz 100 ± 15% from 101 - 200 MHz 100 ± 22% from 201 - 500 MHz 100 ± 32%	45ns/100m	14pF/ft nominal 330pF/ft maximum	28.6 ohm/1000 feet	53 lbs/1000 feet	72%

Frequency (MHz)	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350	400	500
Insertion Loss max. dB/100m	2.0	3.8	5.3	5.9	7.4	8.3	9.3	10.5	14.9	19.1	24.0	27.5	31.0	34.2	37.2	40.0	45.2
Return Loss min. dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3	16.8	16.3	15.9	15.2
NEXT min. dB/100m	74.3	65.3	60.8	59.3	56.2	54.8	53.3	51.9	57.4	44.3	41.4	39.8	38.3	37.1	36.1	35.3	33.8
PS-NEXT min. dB/100m	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	39.4	37.8	36.3	35.1	34.1	33.3	31.8
ACRF min. dB/100m	67.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	21.0	18.8	16.8	15.3	13.9	12.8	10.8
PS-ACRF min. dB/100m	64.8	52.8	46.7	47.8	40.7	38.8	36.8	34.9	28.9	24.8	21.0	18.8	16.8	15.3	13.9	12.8	10.8