

### CONSTRUCTION DATA

<b>Conductor:</b>	
# of Conductors	8
AWG	23 AWG
Conductor Stranding	Solid
Copper Type	Bare Copper

<b>Insulation:</b>	
Type	Flouropolymer
Thickness	.010 in.
Color Code	BL, WH/BL, OR, WH/OR, GN, WH/GN, BN, WH/BN

<b>Shield:</b>	
Shield Type	N/A
Drain Wire Type	N/A
Drain Wire AWG	N/A

<b>Jacket:</b>	
Jacket Type	Plenum PVC
Nominal Cable O.D.	0.250 in.
Colors	Black, Blue, Pink, Yellow

### Applications

* Networking
* Security

### X-Reference

WPW	254346A
Belden	254346A

### TECHNICAL DATA

Voltage Rating	300V
Operating Temperature	-20 to 60 C
Flame Test	NFPA 262
NEC Rating	CMP
RoHS Compliant	Yes
Max. Pull Tension	25 lbs
Max. Bend Radius	1.250 in.
Cable Weight	37 lbs
Nominal DCR	24 Ohms/1000ft
Nominal Cap. Between Conductors	13 pF/ft
Nominal Cap. Cond. To Shield	N/A

Cat 6A	Insertion Loss	NEXT	PSNEXT	ACR	PSACR	ACRF	PSACRF	Return Loss	PSANEXT	PSAACRF
Frequency (MHz)	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	20	67	67
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23	67	66.2
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5	67	60.1
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25	67	58.2
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25	67	54.1
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25	67	52.2
25	9.4	53.3	51.3	44	42	39.8	36.8	23.9	67	50.2
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6	67	48.3
62.5	15	47.4	45.4	32.4	30.4	31.9	28.9	21.5	65.6	42.3
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1	62.5	38.2
155	24.1	41.4	39.4	17.4	15.4	24	21	18.8	59.6	34.4
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18	58	32.2
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	17.3	56.5	30.2
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8	55.3	28.7
350	37.2	36.1	34.1	-	-	16.9	13.9	16.3	54.3	27.3
400	40.1	35.3	33.3	-	-	15.8	12.8	15.9	53.5	26.2
500	45.3	33.8	31.8	-	-	13.8	10.8	15.2	52	24.2
555*	47.9	33.1	31.1	-	-	12.9	9.9	14.9	51.3	23.3
600*	52.8	32	30	-	-	11.4	8.4	14.4	50.2	21.8