

### CONSTRUCTION DATA

#### Conductor:

# of Conductors	8
AWG	23 AWG
Conductor Stranding	Solid
Copper Type	Bare Copper

### Applications

* Networking
* Security

### X-Reference

WPW	4346A
Belden	4346A

#### Insulation:

Type	Polyolefin
Thickness	.010 in.
Color Code	BL, WH/BL, OR, WH/OR, GN, WH/GN, BN, WH/BN

#### Shield:

Shield Type	N/A
Drain Wire Type	N/A
Drain Wire AWG	N/A

#### Jacket:

Jacket Type	PVC
Nominal Cable O.D.	0.260 in.
Colors	Black

### TECHNICAL DATA

Voltage Rating	300V
Operating Temperature	-20 to 60 C
Flame Test	UL 1666
NEC Rating	CMR
RoHS Compliant	Yes
Max. Pull Tension	25 lbs
Max. Bend Radius	1.300 in.
Cable Weight	37 lbs
Nominal DCR	24 Ohms/1000ft
Nominal Cap. Between Conductors	16 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