

### CONSTRUCTION DATA

#### Conductor:

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

#### Insulation:

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

#### Shield:

Shield Type	Overall Aluminum Foil
Drain Wire Type	Tinned Copper
Drain Wire AWG	24 AWG

#### Jacket:

Jacket Type	PVC
Nominal Cable O.D.	0.265 in.
Colors	Black

### Applications

* Networking
* Security

### X-Reference

WPW	4346AF
Belden	10GXW52

### 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	1.325 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 Shielded	Insertion Loss	NEXT	PSNEXT	ACR	DSACR	ACRF	DSACRF	Return Loss	PSANEXT	DSACRF
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	24.3	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	39.3	37.3	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