

CONSTRUCTION DATA

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

Insulation:	
Type	Flouropolymer
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	Plenum PVC
Nominal Cable O.D.	0.265 in.
Colors	Black, White

Applications

* Networking
* Security

X-Reference

WPW	254346AF
Belden	10GXW53

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	1.325 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 Shielded Frequency (MHz)	Insertion Loss		NEXT	PSNEXT	ACR	PSACR	ACRF	PSACRF	Return Loss		PSANEXT	PSAACRF
	Maximum	Minimum							Minimum	Minimum		
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	20	67	67	67	67
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23	67	67	67	66.2
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	24.5	67	67	67	60.1
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	25	67	67	67	58.2
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	25	67	67	67	54.1
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	25	67	67	67	52.2
25	9.4	53.3	51.3	44	42	39.8	36.8	24.3	67	67	67	50.2
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	23.6	67	67	67	48.3
62.5	15	47.4	45.4	32.4	30.4	31.9	28.9	21.5	65.6	62.5	62.5	42.3
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	20.1	62.5	58.2	58.2	38.2
155	24.1	41.4	39.4	17.4	15.4	24	21	18.8	59.6	54.1	54.1	34.4
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	18	58	52.2	52.2	32.2
250	31.1	39.3	37.3	7.3	5.3	19.8	16.8	17.3	56.5	50.2	50.2	30.2
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	16.8	55.3	28.7	28.7	28.7
350	37.2	36.1	34.1	-	-	16.9	13.9	16.3	54.3	27.3	27.3	27.3
400	40.1	35.3	33.3	-	-	15.8	12.8	15.9	53.5	26.2	26.2	26.2
500	45.3	33.8	31.8	-	-	13.8	10.8	15.2	52	24.2	24.2	24.2
555*	47.9	33.1	31.1	-	-	12.9	9.9	14.9	51.3	23.3	23.3	23.3
600*	52.8	32	30	-	-	11.4	8.4	14.4	50.2	21.8	21.8	21.8