

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

Jacket:	
Jacket Type	Plenum PVC
Nominal Cable O.D.	0.225 in.
Colors	Black, Blue, Green, Gray, Orange, Pink, Security Green, Violet, White, Yellow

Applications

* Networking
* Security

X-Reference

WPW	254246
Belden	2413

TECHNICAL DATA

Voltage Rating	300V
Operating Temperature	-20 to 60 C
Flame Test	NFPA 262
NEC Rating	CMP
RoHS Compliant	Yes
Max. Pull Tension	40 lbs
Max. Bend Radius	1.125 in.
Cable Weight	27 lbs
Nominal DCR	24 Ohms/1000ft
Nominal Cap. Between Conductors	14 pF/ft
Nominal Cap. Cond. To Shield	N/A

Cat 6 Frequency (MHz)	Insertion Loss		NEXT		PSNEXT		ACR		PSACR		ACRF		PSACRF		Return Loss	
	Standard	Maximum	Standard	Minimum	Standard	Minimum	Calculated	Minimum	Calculated	Minimum	Standard	Minimum	Standard	Minimum	Standard	Minimum
1	2	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	70.3	67.8	67.8	64.8	64.8	20	20
4	3.8	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5	55.8	55.8	52.8	52.8	23	23	
8	5.3	60.8	60.8	58.8	58.8	55.4	55.4	53.4	53.4	49.7	49.7	46.7	46.7	24.5	24.5	
10	6	59.3	59.3	57.3	57.3	53.3	53.3	51.3	51.3	47.8	47.8	44.8	44.8	25	25	
16	7.6	56.2	56.2	54.2	54.2	48.7	48.7	46.7	46.7	43.7	43.7	40.7	40.7	25	25	
31.25	10.7	51.9	51.9	49.9	49.9	41.2	41.2	39.2	39.2	37.9	37.9	34.9	34.9	23.6	23.6	
62.5	15.4	47.4	47.4	45.4	45.4	32	32	30	30	31.9	31.9	28.9	28.9	21.5	21.5	
100	19.8	44.3	44.3	42.3	42.3	24.5	24.5	22.5	22.5	27.8	27.8	24.8	24.8	20.1	20.1	
200	29	39.8	39.8	37.8	37.8	10.8	10.8	8.8	8.8	21.8	21.8	18.8	18.8	18	18	
250	32.8	38.3	38.3	36.3	36.3	5.5	5.5	3.5	3.5	19.8	19.8	16.8	16.8	17.3	17.3	
300*	-	36.4	-	37.1	-	35.1	-	-	-	-	-	-	15.3	-	16.8	
350*	-	39.8	-	36.1	-	34.1	-	-	-	-	-	-	13.9	-	16.3	
400*	-	43	-	35.3	-	33.3	-	-	-	-	-	-	12.8	-	15.9	
500*	-	48.9	-	33.8	-	31.8	-	-	-	-	-	-	10.8	-	15.2	
555*	-	52	-	33.1	-	31.1	-	-	-	-	-	-	9.9	-	14.9	