

### CONSTRUCTION DATA

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

<b>Insulation:</b>	
Type	Polyolefin
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	UV Resistant Polyethylene
Nominal Cable O.D.	0.251 in.
Colors	Black

### Applications

* Networking
* Security

### X-Reference

WPW	4246IO
Belden	2147A

### TECHNICAL DATA

Voltage Rating	300V
Operating Temperature	-20 to 60 C
Flame Test	UL 1685
NEC Rating	CM-LS
RoHS Compliant	Yes
Max. Pull Tension	35 lbs
Max. Bend Radius	1.255 in.
Cable Weight	43 lbs
Nominal DCR	22 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	2	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	67.8	67.8	64.8	64.8	20	20
4	3.8	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	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	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	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	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	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	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	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	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	-