

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.	0.275 in.
Colors	black

Applications

* Networking
* Security

X-Reference

WPW	4236F
Belden	2412FS

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	1.100 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 6 Shielded 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
350	-	39.8	-	36.1	-	34.1	-	-	-	-	-	16.9	-	13.9	-	16.3
555*	-	52	-	33.1	-	31.1	-	-	-	-	-	12.9	-	9.9	-	14.9
660*	-	57.7	-	32	-	30	-	-	-	-	-	11.4	-	8.4	-	14.4