

CONSTRUCTION DATA

Conductor:

# of Conductors	8
AWG	24 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	N/A
Drain Wire Type	N/A
Drain Wire AWG	N/A

Jacket:

Jacket Type	PVC
Nominal Cable O.D.	0.191 in.
Colors	Black, Blue, Green, Gray, Orange, Pink, White, Yellow

Applications

* Networking
* Security

X-Reference

WPW	4245
Belden	1583A

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	0.955 in.
Cable Weight	21 lbs
Nominal DCR	26 Ohms/1000ft
Nominal Cap. Between Conductors	14 pF/ft
Nominal Cap. Cond. To Shield	N/A

Cat 5e 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	65.3	71.3	62.3	68.3	63.3	69.3	60.3	66.3	63.8	67.8	60.8	60.8	20	20
4	4.1	4.1	56.3	62.3	53.3	59.3	52.2	58.2	49.2	55.2	51.8	55.8	48.8	52.8	23	23
8	5.8	5.8	51.8	57.8	48.8	54.8	46	52	43	49	43.8	49.7	42.7	46.7	24.5	24.5
10	6.5	6.5	50.3	56.3	47.3	53.3	43.8	49.8	40.8	46.8	39.7	47.8	40.8	44.8	25	25
16	8.2	8.2	47.2	53.2	44.2	50.2	39	45	36	42	33.9	43.7	36.7	40.7	25	25
31.25	11.7	11.7	42.9	48.9	39.9	45.9	31.2	37.2	28.2	34.2	27.9	37.9	30.9	34.9	23.6	23.6
62.5	17	17	38.4	44.4	35.4	41.4	21.4	27.4	18.4	24.4	23.8	31.9	24.9	28.9	21.5	21.5
100	22	22	35.3	41.3	32.3	38.3	13.3	19.3	10.3	16.3	-	27.8	20.8	24.8	20.1	20.1
155	-	28.1	-	38.4	-	35.4	4.4	10.4	1.4	7.4	-	24	-	21	-	18.8
200	-	32.4	-	36.8	-	33.8	-	4.4	-	1.4	-	21.8	-	18.8	-	18
250	-	36.9	-	35.3	-	32.3	-	-	-	-	-	19.8	-	16.8	-	17.3
300	-	41	-	34.1	-	31.1	-	-	-	-	-	18.3	-	15.3	-	16.8
350	-	44.9	-	33.1	-	30.1	-	-	-	-	-	16.9	-	13.9	-	16.3
400	-	48.5	-	32.3	-	29.3	-	-	-	-	-	15.8	-	12.8	-	15.9