

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

Jacket:	
Jacket Type	UV Resistant Polyethylene
Nominal Cable O.D.	0.255 in.
Colors	Black

Applications

* Networking
* Security

X-Reference

WPW	4246OSP
Belden	OSP6U

TECHNICAL DATA

Voltage Rating	300V
Operating Temperature	-20 to 60 C
Flame Test	None
NEC Rating	N/A
RoHS Compliant	Yes
Max. Pull Tension	35 lbs
Max. Bend Radius	1.275 in.
Cable Weight	39 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	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	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	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	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	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	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	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	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	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	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	-		