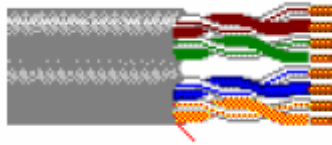




# PEATSA

Lauro Aguirre No.32-203 Col. Agricultura, México, D.F. 11360  
[www.peatsa.com](http://www.peatsa.com) Tels. 5342-1586 . 5341-8757  
contacto@peatsa.com



## 1872A

### Description:

4 Pair unshielded twisted pair (UTP), 350MHz Enhanced Category 6, riser rated, 23 AWG solid bare copper conductors, polyolefin insulation, bonded pairs, PVC jacket, rip cord. Sequential marking at two foot intervals.

### SUITABLE APPLICATIONS:

Suitable Applications Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422, Noisy Environments

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs 4  
Total Number of Conductors 8  
AWG 23  
Stranding Solid  
Conductor Material BC - Bare Copper

#### INSULATION:

Insulation Material PO - Polyolefin

#### INNER SHIELD:

Inner Shield Color Code Chart :

Number	Color	Number	Color
1	White/Blue Stripe & Blue	3	White/Green Stripe & Green
2	White/Orange Stripe & Orange	4	White/Brown Stripe & Brown

#### OUTER SHIELD:

Outer Shield Material Unshielded

#### OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride  
Outer Jacket Ripcord Yes

#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .365 x .165 in.

#### MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +80°C  
Bulk Cable Weight 29 lbs/1000 ft.  
Max. Recommended Pulling Tension 45 lbs.  
Min. Bend Radius (Install) 0.1 in.



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## APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

### APPLICABLE STANDARDS:

NEC/(UL) Specification CMR, UL444  
CEC/C(UL) Specification CMR  
IEC Specification 11801 Category 5  
TIA/EIA Specification 568-B.2-1 Category 6  
Other Specification UL verified to Category 6

### FLAME TEST:

UL Flame Test UL1666 Riser  
CSA Flame Test FT4

### PLENUM/NON-PLENUM:

Plenum (Y/N) N  
Plenum Number 1874A

### ELECTRICAL CHARACTERISTICS:

Nom. Mutual Capacitance @ 1 KHz 15.0 pF/ft  
Maximum Capacitance Unbalance (pF/100 m) 49.2 pF/100 m  
Nominal Velocity of Propagation 70 %  
Maximum Delay (ns/100 m) 510 @ 100MHz ns/100 m  
Maximum Delay Skew (ns/100m) 25 ns/100 m  
Maximum Conductor DC Resistance @ 20 Deg. C 9 Ohms/100 m  
Maximum DCR Unbalance @ 20 Deg. C 3 %  
Max. Operating Voltage - UL 300 V RMS

### ELECTRICAL CHARACTERISTICS - PREMISE:

Premise Cable Electricals Table 1 :

Frequency (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min. Return Loss (dB)	Min. Structural Return Loss (dB)
1	1.9	74.3	72.3	70	70	20.0	
4	3.7	65.3	63.3	59	59	23.0	
8	5.3	60.3	58.8	53	53	24.5	
10	5.9	59.3	57.3	51	51	25.0	
16	7.5	56.3	54.3	46	46	25.0	
20	8.4	54.8	52.8	44	44	25.0	
25	9.5	53.4	51.4	42	42	24.3	
31.25	10.6	51.9	49.9	39	39	23.6	
62.5	15.4	47.4	45.4	30	30	21.5	
100	19.8	44.3	42.3	25	25	21.0	
155	25.1	41.5	39.5	14	14	21.0	
200	29.0	39.8	37.8	10	10	21.0	
250	32.8	38.3	36.3	3	3	18.0	
300	35.2	37.2	34.2	0	0	18.0	
310	37.1	36.9	34.9			18.0	
350	39.8	36.2	34.2			17.0	
400**	43.0	35.3	33.3			14.0	
500**	49.0	33.8	31.8			14.0	



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Premise Cable Electricals Table 2 :

Frequency (MHz)	Input (Unfitted) Impedance (Ohms)	Fitted Impedance (Ohms)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 12	100 ± 15	67.8	64.8
4	100 ± 12	100 ± 15	55.7	52.7
8	100 ± 12	100 ± 15	49.7	46.7
10	100 ± 12	100 ± 15	47.8	44.8
16	100 ± 12	100 ± 8	43.7	40.7
20	100 ± 12	100 ± 8	41.7	38.7
25	100 ± 15	100 ± 8	39.8	36.8
31.25	100 ± 15	100 ± 8	37.9	34.9
62.5	100 ± 15	100 ± 8	31.8	28.8
100	100 ± 15	100 ± 8	27.8	24.8
155	100 ± 15	100 ± 8	23.9	20.9
200	100 ± 15	100 ± 8	21.7	18.7
250	100 ± 20	100 ± 8	19.8	16.8
300	100 ± 20	100 ± 8	18.2	15.2
310	100 ± 20	100 ± 8	17.9	14.9
350	100 ± 22	100 ± 8	16.9	13.9
400**	100 ± 32	100 ± 8	15.7	12.7
500**	100 ± 32	100 ± 8	13.8	10.8