Technical Data Sheet-
Category 5E Network Plenum

WEST PENN WIRE
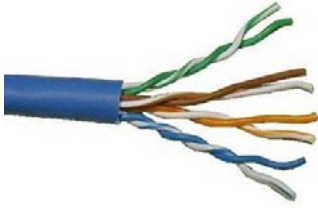
PART NUMBER:	**254245**
DESCRIPTION:	24 AWG.- 4 PAIR Solid bare copper conductors, unshielded with an overall plenum jacket.
NEC RATING:	CMP
APPROVALS:	(UL) C(UL) Listed or c(ETL)us Listed
APPLICATION:	Indoor Plenum- Category 5E Applications- Ethernet, IP Cameras, Digital Integration

Construction Parameters:

Conductor	24 AWG Bare Copper
Stranding	Solid
Number of Conductors	8 (4 Pair)
Insulation	Dual Insulation FEP - .008"
Shield	None
Drain	None
Jacket Material	Plenum PVC
Overall Cable Diameter	0.190" Nom.
Approximate Cable Weight	25 Lbs/1M' Nom.
Flame Rating	NFPA 262

Electrical & Environmental Properties:

Operating Temperature Rating	-20°C To +60°C
Operating Voltage Rating	300 V RMS
DC Resistance per Conductor @ 20deg C	9.38 Ohms/100m Nom.
Mutual Capacitance	14pf/ft Nominal
Nominal Impedance	100 Ohms+/-15% (1-100Mhz)
Velocity of Propogation	66% Nominal
Delay Skew	45ns/100m MAX
Standards	TIA/EIA568-B.2
Insulation Colors	1.Blue/White-Blue, 2. Orange/White-Orange 3. Green/White-Green, 4. Brown/White-Brown
Jacket Color	Gray, White, Blue- Other Colors Available Example: 254245-WH
RoHS Compliant	Yes

Electrical Specifications:

Frequency: MHz	1	10	25	100	200
Insertion Loss: dB/100m	1.8	5.8	9.3	19.6	28.8
NEXT: dB/100m	80	64	59	50	46
ACR: dB/100m	70.3	50.9	41.1	40.3	35.8
PS-NEXT: dB/100m	73	58	52	43	40
PS-ACR: dB/100m	66.3	46.9	37.1	17.3	3.3
ELFEXT: dB/100m	67.8	47.8	39.8	27.8	21.8
PS-ELFEXT: dB/100m	64.8	25	36.8	24.8	18.8
RL: dB	20	25	24.3	20.1	18

Mechanical Properties:

Max. Recommended Pull Tension	25 lbs.
Min. Bend Radius (Install)	1 " Min.

Accessories:

Connectors: Jacks

AX101310	Black
AX101315	Blue
AX101314	Green
AX101312	Red
AX101313	Yellow
AX101309	White
AX101311	Orange
AX101308	Ivory

Connectors: Plugs

32-2198UL	2 pc. Plug
32-EZP	Cat 5E EZ RJ45

Tools:

TL-135	110 Punch down tool
TL-EZRJ45	EZ Crimp Tool
TL-114	Crimp Tool for 32-2198UL

Cable Assemblies:

WP66xx-3	3ft- Replace xx- 70(Gray), 72(Blue), 74(Red)
WP66xx-7	7ft- Replace xx- 70(Gray), 72(Blue), 74(Red)
WP66xx-10	10ft- Replace xx- 70(Gray), 72(Blue), 74(Red)
WP66xx-15	15ft- Replace xx- 70(Gray), 72(Blue), 74(Red)
WP66xx-25	25ft- Replace xx- 70(Gray), 72(Blue), 74(Red)

Specification Issue Date: 4/09

Standard Lengths are 1000ft.
The Jacket is sequentially footmarked.
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