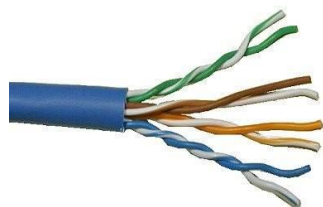


Technical Data Sheet- Category 5E Network Plenum



2833 West Chestnut Street
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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 Propagation	66% Nominal
Delay Skew	45ns/100m MAX
Standards	TIA/EIA568-C.2
Insulation Colors	1.Blue/White-Blue, 2. Orange/White-Orange 3. Green/White-Green, 4. Brown/White-Brown Gray, White, Blue- Other Colors Available Example: 254245-WH
Jacket Color	
RoHS Compliant	Yes

Electrical Specifications:

Frequency: MHz	1	10	25	100	200	350
Insertion Loss: dB/100m	1.8	5.8	9.3	19.6	28.8	40.0
NEXT: dB/100m	80	64	59	50	46	43
ACR: dB/100m	70.3	50.9	41.1	40.3	35.8	32.1
PS-NEXT: dB/100m	73	58	52	43	40	36
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	16.9
PS-ELFEXT: dB/100m	64.8	25	36.8	24.8	18.8	13.9
RL: dB	20	25	24.3	20.1	18	16.3

Mechanical Properties:

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

Accessories:

Connectors: Jacks

KJ458MT-C5E-xx
Xx: BK,BU, WH, YE, RD

Connectors: Plugs

32-EZP – EZ Plugs
32-5198UL Cat 5E

Boots

32-1900-xx – xx: Colors

Tools:

TL-135 110 Punch down tool
TL-114 Crimp Tool

Cable Assemblies:

C5EC-114CC-xx
CC: Color: BK, BU, GY, RD, WH, YE
Xx: Length Footage: 3,7,10,15,20,25

Patch Panels:

12458MD-C5E 12 port Cat5E Patch Panel
24458MD-C5E 24 port Cat5E Patch Panel
48458MD-C5E 48 port Cat 5E Patch Panel

Specification Issue Date: 11/12

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