CAT5 ENHANCED 350MHz
UTP CMR RATED

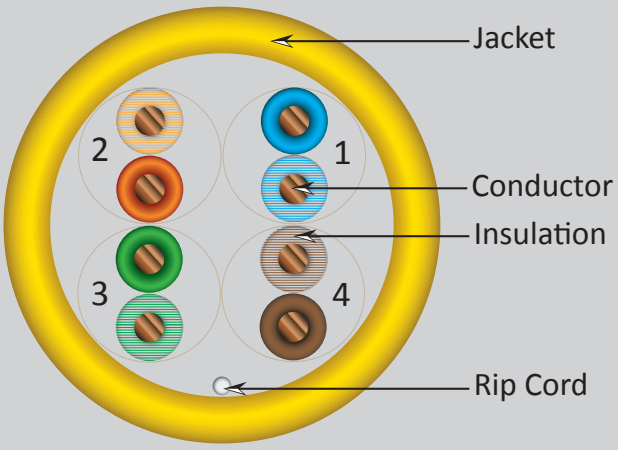
VERTICAL CABLE
Simply Connect.

DESCRIPTION

Category-5E, 24AWG, UTP, 8C Solid Bare Copper, CMR Rated, PVC Jacket 1,000ft.

FEATURES

- **High-Performance Data Cable**
- **350MHz Bandwidth for Data Applications**
- **Category-5E Unshielded Twisted Pair**
- **24AWG Solid Copper Conductors**
- **Easily Identified Color-Striped Pairs**
- **Exceeds TIA/EIA-568C.2, ISO/IEC 11801**
- **Riser Rated PVC Jacket, CMR**
- **ETL Listed, RoHS Compliant**
- **1,000ft Pull Box**



SKU: 054 - SERIES

Technical Data

Rated Temperature	75 ºC
Rated Voltage	60v
Product Standard Certification	CMR
NVP	69%
Conductor	**Solid Bare Copper**
Size	24 AWG
Insulation	**PE**
Average Thickness (mm)	0.203
Min. Point Thickness (mm)	0.172
Insulation Diameter (±0.005mm)	0.88
Twisted Pair Diameter (±0.01)	1.76
Assembly Diameter	**3.60**
Jacket	**PVC**
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	5.00
Rip Cord	Yes
Color of Pairs	
Pair 1	Blue,White-Blue
Pair 2	Orange,White-Orange
Pair 3	Green,White-Green
Pair 4	Brown,White-Brown
Mechanical Characteristics	
Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (ºCxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20±2º Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4003289 ETL VERIFIED CAT5E TO TIA-568C.2 ISO/IEC 11801:2002 CMR 24 AWG UTP c(ETL)us FT4 350MHz RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Blue, Black, White, Green, Gray, Red, Yellow, Orange, Pink, Purple

MADE IN CHINA

RoHS

c ETL LISTED us Intertek

VERTICAL CABLE
951.696.7772 California
800.749.2447 Florida
845.391.8318 New York

www.verticalcable.com

Rev. 02/2017

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impendance (Ohms)	100±15
100-200MHz Impendance (Ohms)	100±15
200-350MHz Impendance (Ohms)	100±15
1.0-350MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max	Next (ns/100m)	ACR Typ(db)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	-------
350	16.3	44.9	27.2	-------

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

RoHS

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