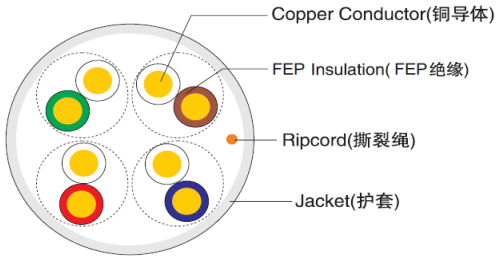
PRODUCT SPECFICATION SHEET

4 PAIR 24AWG CAT5E UTP CMP CABLE

Part No.

Cross Section



Marking

UNIFIED COPPER (UL) C(UL) E468535 24AWG CMP UTP Solid OFC 4PR CATEGORY 5E CABLE ****m

Description

Rated Temperature (°C)	75
Product Standard Certification	
Flammability Test	
Application	
Horizontal Wiring in LAN	
Reference Standard	
UL Subject 444,EIA/TIA568B.2 & ISO/IEC 11801	

Construction

Conductor	**Solid Bare Copper**
AWG	24
Conductor Dia. (mm)	0.490
Insulation	**FEP**
Average Thickness(±0.005m .	0.175
Min. Point Thickness(mm)	0.157
Insulation Dia.(±0.005mm)	0.84
Twisting Lay Length(mm)	≤ 2.0
Cabling Lay Length	≤100
Jacket	**CMP PVC**
Average Thickness(mm)	0.45
Min. Point Thickness(mm)	0.41
Outer Dia.(±0.2mm)	4.5
Rip Cord	yes

Color

Insulation colors are:

Blue,White/Blue

Orange,White/Orange

Green,White/Green

Brown,White/Brown

Jacket colors: Jacket Material

PVC

OPTION OPTION

Packing

Part No.:

Revision History:

NO	Freq (Mhz)	Att (Up limit)	RL (Down limit)	Next (Down limit)
1.0	1	2.04	20	95.3
2.0	4	4.05	23.01	56.27
3.0	8	5.77	24.52	51.75
4.0	10	6.47	25	50.3
5.0	16	8.25	25	47.24
6.0	20	9.27	25	45.78
7.0	25	10.42	24.32	44.33
8.0	31.25	11.72	23.64	42.88
9.0	50	15.07	22.21	39.82
10.0	62.5	16.99	21.54	39.36
11.0	100	21.98	20.11	35.3
12	125	24.87	19.43	33.85
13	200	32.42	18	30.78
14	250	36.85	17.32	29.33
15	300	40.97	16.77	28.14
16	350	44.85	16	27.14

Performance

Electrical Characteristics:				
1.0-100.0MHz	Impedance (ohms)			100 ± 15
1.0-100.0MHz	Delay Skew (ns/100m)			≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)				≤330
Max. Conductor DC Resistance 20°C (ohms/km)				≤95
Resistance Unbalance (%)				≤5
Mechanical Characteristics:				
Test Object				**Jacket**
Test Material				CMP PVC
Before	Tensile Strength (Mpa)			≥17.2
Aging	Tensile Strength (Mpa)			≥14.62
Aging Condition (°Cxhrs)				232x24×7
After	Elongation (%)			≥100
Aging	Elongation (%)			≥50
Cold Bend(-20±2oCx4hrs)				No crack

Prepared by:		Rev.: 0
Approved by:		Page 1 of 1