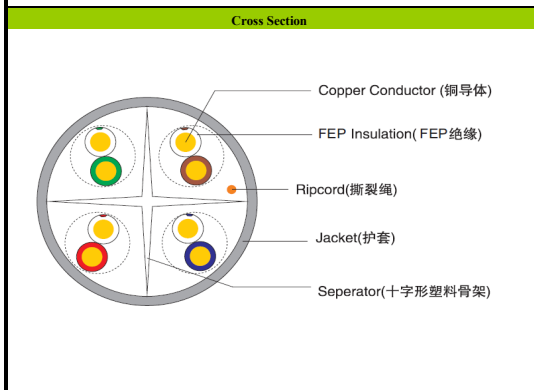


PRODUCT SPECIFICATION SHEET

4 PAIR 23AWG CAT6 UTP CMP CABLE Part No.



Marking

UNIFIED COPPER (UL) C(UL) E468535 23AWG CMP UTP Solid OFC 4PR CATEGORY 6 CABLE ****m

Description

Rated Temperature (°C) 75
 Product Standard Certification
 Flammability Test

Application

Horizontal Wiring in LAN

Reference Standard

UL Subject 444,EIA/TIA568.2 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia Nom.	0.55
Insulation	FEP
Average Thickness(±0.005mm)	0.210
Min. Point Thickness(mm)	0.190
Insulation Dia.(±0.005mm)	0.98
Twisting Lay Length(mm)	≤2.0
Cabling Lay Length(±10mm)	≤100
Filler	FEP
Jacket	CMP PVC
Average Thickness(mm)	0.5
Min. Point Thickness(mm)	0.45
Outer Dia.(±0.2mm)	5.8
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	2.03	20	74.3
2.0	4	3.78	23.01	65.27
3.0	8	5.32	24.52	60.75
4.0	10	5.95	25	59.3
5.0	16	7.55	25	56.24
6.0	20	8.47	25	54.78
7.0	25	9.51	24.32	53.33
8.0	31.25	10.67	23.64	51.88
9.0	50	13.66	22.21	48.82
10.0	62.5	15.38	21.54	47.36
11.0	100	19.8	20.11	44.3
12.0	125	22.36	19.43	42.85
13.0	200	28.98	18	39.78
14.0	250	32.85	17.32	38.33
15.0	300	36.43	16.77	37.14
16.0	350	39.79	16.3	36.14
17.0	400	42.97	15.89	35.27
18.0	550	47.9	14.8	32.7

Performance

Electrical Characteristics:

1.0-500MHz	Impedance (ohms)		100 ± 15
1.0-500MHz			
1.0-500MHz	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)			232x24x7
After	Elongation (%)		≥100
Aging	Elongation (%)		≥50
Cold Bend(-20±2oCx4hrs)			No crack

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