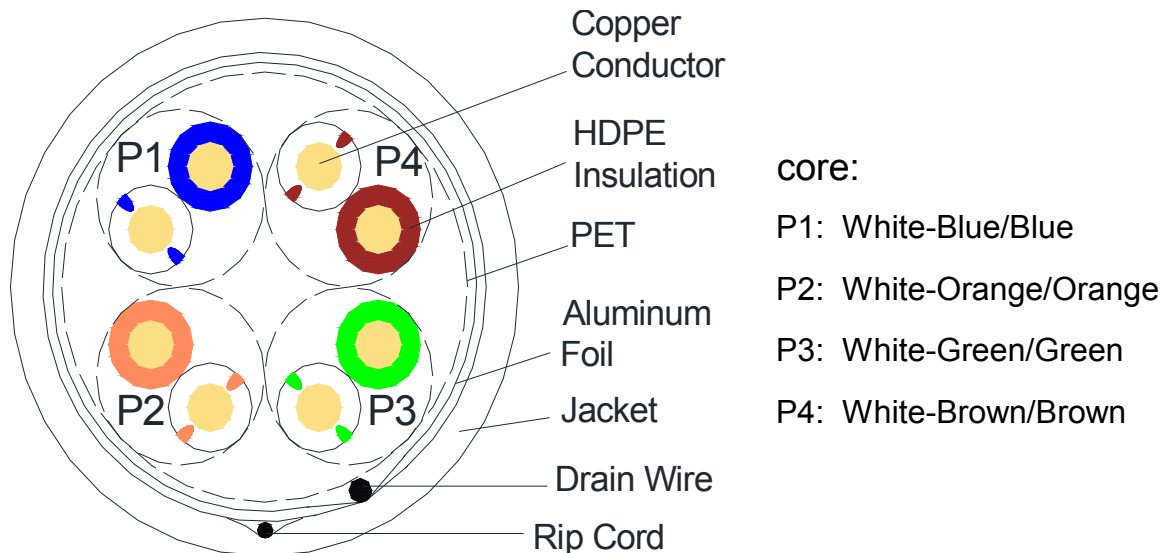


CB-FTPCAT5E

PRODUCT DATA SHEET

Type		F/UTP CAT5E 4*2*24AWG LDPE	
Structure		Structure A	
Conductors	Structure AWG	AWG	24# (1/24)
	Material	----	Solid Bare Copper
	Diameter	mm	Ø 0.50+/-0.008
Insulation	Material	----	HDPE
	Diameter	mm	Ø 1.00+/-0.05
	Average Thickness	mm	0.25+/-0.05
Shielding1	Type	----	----
Assimby	Direction	----	S
	No. of Insulations	Pair	4
Shielding2	Material	----	Al-Foil Screened
Shielding3	Shield	----	0.40±0.005mm TC
Jacket	Material	----	LDPE
	Diameter	mm	Ø 6.1+/-0.2
	Average Thickness	mm	0.6+/-0.1
	Flame Rate	----	----

Construction:



Revision Number : 6.4
 Producer : ztm

Auditor :

Revision : 12-4-2015
 Approval :

Mechanical Characteristics

- | | |
|------------------------------------|------------------------------------|
| 1、 Cable under the minimum tension | ≥400N |
| 2、 Conductor elongation | ≥15% |
| 3、 Jacket before Aging | |
| Tensile Strength | ≥9.7Mpa |
| Elongation | ≥350% |
| 4、 Jacket After Aging | |
| Tensile Strength | ≥75%×Tensile Strength before Aging |
| Elongation | ≥75%×Elongation before Aging |

Electrical Characteristics

- | | |
|---|------------------------|
| 1.Impedance: | 1-100MHz 100±15 (Ohms) |
| 2.Rated Temperature: | 75°C |
| 3.DC Resistance Unbalance(%): | Max 2.5 |
| 4.DC Resistance 20°C: | 110 (Ohms/Km) |
| 5.Pair-to-Gruond Capacitance Unbalance: | 330(pF/100M) |
| 6.Insulation Resistance: | >5000MΩ*Km |
| 7.Dielectric strength: | DC 2500V 2S |

Nominal Transmission Characteristics

Frequence	Min. RL	Min. IL *	Max. DOP	Max. SKEW	Min. NEXT	Min. PSNEXT	Min. ACR-F	Min. PSACR-F
(MHz)	(dB)	(dB/100M)	(ns/100M)	(ns/100M)	(dB)	(dB)	(dB/100M)	(dB/100M)
1	20.0	2.0	570.0	45.0	65.3	62.3	63.8	60.8
4	23.0	4.1	552.0	45.0	56.3	53.3	51.8	48.8
10	25.0	6.5	545.4	45.0	50.3	47.3	43.8	40.8
16	25.0	8.2	543.0	45.0	47.2	44.2	39.7	36.7
20	25.0	9.3	542.1	45.0	45.8	42.8	37.8	34.8
31.25	23.6	11.7	540.4	45.0	42.9	39.9	33.9	30.9
62.5	21.5	17.0	538.6	45.0	38.4	35.4	27.9	24.9
100	20.1	22.0	537.6	45.0	35.3	32.3	23.8	20.8

Note: The above transmission performance for the 100M, 20 ± 2 °C under the conditions tested

* Allowable deviation of -10% to +10%

Revision Number : 6.4

Revision : 12-4-2015

Producer : ztm

Auditor :

Approval :