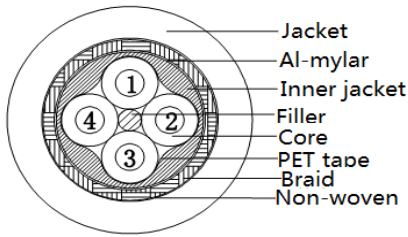


Cross Section



Marking

LTK L-HI FLEX PROFINET Type C CAT5 PLUS * 22AWG E148000 AWM
 STYLE 20549 80°C 300V -LF- PCXX RoHS conform MM/DD/YYYY XXXXXm

Description

Rated Voltage (V) 300
 Rated Temperature (°C) 80
 Fixed laying temperature (°C) -40~80
 Flexible laying temperature (°C) -20~80
 Flammability Test H,FT2,IEC 60332-1-2

Application

Suitable for industrial equipment.

Reference Standard

Customer's Requirements, UL758, UL1581

Construction

Stranded Tinned Copper
 AWG 22
 Construction (mm) 19/0.15
Insulation PE
 Nom. Thickness (mm) 0.31
 Insulation Dia. (±0.15mm) 1.51
 Filler Optional
 Cabling 4C+Filler
 PET tape(Coverage, %) 100.00
 Inner jacker LSZH
 Nom. Thickness (mm) 0.20
 Dia. (±0.20mm) 4.20
 Al-mylar(Coverage, %) 100.00
Braid shield Tinned copper
 Coverage area, % >=85
 Non-woven(Coverage, %) 100
Jacket PUR
 Nom. Thickness (mm) 0.76
 Min. Thickness (mm) 0.61
Cable Dia. (±0.30mm) 6.50

Color

Insulation :
 1.White 2.Yellow 3.Blue 4.Orange

Jacket :
 According to the customer's Require.

Performance

Electrical Characteristics:

Dielectric Strength (kV/min) 2.00
 Max. DC Resistance at 20°C (Ω/km) 59.4

Transmission performance(100m)

频率 (MHz)	输入阻抗 (Ω)	ATT(dB)Max	RL(dB)Min	NEXT(dB)Min	ELFEXT(dB)Min	Delay (ns)Max
1	100±15	3.20	20.0	65.3	27.5	570
4	100±15	6.01	23.0	56.3	28.8	552
10	100±15	9.49	25.0	50.3	29.8	545
16	100±15	12.07	25.0	47.2	30.3	543
20	100±15	13.54	25.0	45.8	30.6	542
25	100±15	15.22	24.3	44.3	30.9	541
31.25	100±15	17.11	23.6	42.9	31.2	540
62.5	100±15	24.76	21.5	38.4	32.1	539
100	100±15	31.99	20.1	35.3	32.8	538

If the above transport performance is not satisfied, the final 3M Fluke Tia CAT5e Patch cord performance will prevail.

Mechanical Characteristics:

Test Object

Test Material Before Tensile Strength (Mpa) Jacket PUR
 Aging Elongation (%) ≥10.35
 Aging Condition (°C) 113±2°C x 168 hrs
 After Tensile Strength (Mpa) ≥70% of original
 Aging Elongation (%) ≥65% of original
 Oil resistant Condition (60°C) (100+/-2°C x96H) IRM-902
 After Tensile Strength (Mpa) >=50% of original
 Aging Elongation (%) >=50% of original
 Cableveyor test : 5 million
 (R≥15D; L≤1m; S≤60cycle/min)

Environmental Restricted Substance Requiremen

- RoHS2.0
- REACH
- CP65
- Antimony free (Sb<700ppm)
- HF (Cl<900ppm; Br<900ppm. Cl+Br<1500ppm)
- SONY SS-00259
- "■"means Compliance



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- Huizhou LTK Electronic Cable Ltd
- LTK Electric Wire (Changzhou) Ltd
- LTK Cable (Vietnam) Ltd

Prepared by: LINSONG 2022.03.15 Table No.:TFA046 Rev.:9
 Approved by: EMMA 2022.03.15 Page 1 of 1

CP-210002-3

Part No.: -----

Ref. spec No. : ----- REV: 0

Revision History

* Usage instruction: (The followings are general instructions , if there are special requirements, please follow the specific specifications
 Not to be used directly in corrosive environments such as strong acids and strong alkaline. Not to be immersed in water or in a high humidity environment.
 Not be exposed in the sunlight outdoor. It is suggested the wiring minimum bending radius shall be 5 times OD or greater , and can not be used in strong stress conditions. The wire needs to be stored indoors, in a dry and ventilated environment. If there's some special requirements for wire , please contact with our sales .
 When customers purchase our products,they should test to verify whether the products is applicable to the usage