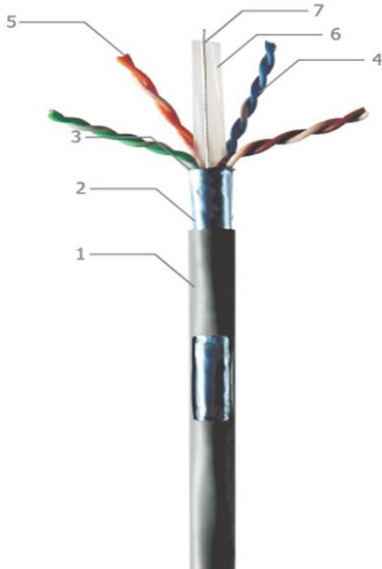
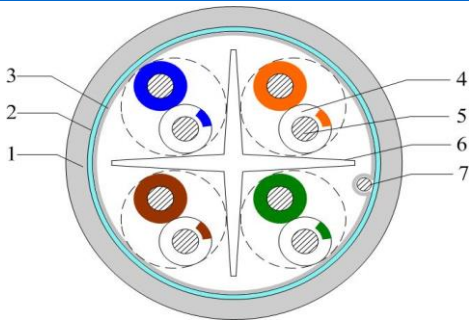


Description

- Rated temperature: 75°C
- Reference standard: UL 444 , IEC 61156-5 & TIA-568-C.2, ISO/IEC 11801
- Product standard certification: UL
- Flame test: CM
- Solid bare copper conductor
- Colour-coded PE insulation
- PVC jacket
- Packaging: Per customer request

Application

- 100Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM
- 10 Gb Ethernet
- POE++ (UL LP 0.5A)

Product figure


1	Outer jacket
2	AL-Foil
3	Polyester tape
4	Insulation
5	Conductor
6	Filler
7	Drain wire

Physical characteristics

Structure	Construction	F/UTP
	Number of pairs	4 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0.566 ±0.02 mm
Insulation	Insulation material	PE
	Insulation dimension (Blue ,Green)	1.14 ±0.05 mm
	Insulation dimension (Orange ,Brown)	1.08 ±0.05 mm
	Number colour (Stripe marking)	White/Blue(Stripe) & Blue White/Orange(Stripe)&Orange White/Green(Stripe) & Green White/Brown(Stripe) & Brown
	Cabling	Twisting lay length
	Cabling lay length	≤200mm
Filler	Filler material	PE
Binder	Binder material	Polyester tape
Shield	Primary overall shield & material	AL-Foil
	Secondary overall shield & material	N/A
	Shield coverage	100%
	Drain wire Nom	1/26AWG solid tinned copper
Outer jacket	Outer jacket material	PVC
	Outer jacket thickness (Nom)	0.5 mm
	Overall nominal dimension	7.3 ±0.3 mm
	Outer jacket rip cord	N/A
	Outer jacket colour	Per customer request
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight	54 kg/km
	Max. recommended pulling tension	110 N
	Min. bend radius (Install)	8 x O.D.
	Outer jacket tensile strength	≥ 13.8 MPa
	Outer jacket elongation	≥ 100%
	Outer jacket aging condition	100 °C x 168 hrs
	After aging, Tensile strength	≥ 75% of unaging
	After aging, Elongation	≥ 50% of unaging
	Cold bend	No crack (@ -20°C x 4hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6 nF/100m (@ 1kHz)
	Pair to ground capacitance unbalance	≤ 330 pF/100m
	Nominal velocity of propagation	65%
	Max. delay skew	45 ns/100m
	Max. conductor DC resistance	93.8Ω/km (@ 20 °C)
	Max. Conductor resistance unbalance	4% (@ 20 °C)
	Min. insulation resistance	5000 MΩ·m
Max. operating voltage - UL	300 V	

* Custom configuration is available upon request.

* Customer P/N:


Linkz International Limited

6/F, Photonics Centre, 2 Science Park East Avenue, Hong Kong Science Park, Shatin, Hong Kong.

Tel: (852) 2425 4399 Fax: (852) 2418 1627 Email: sales@linkzindustries.com Website: http://www.linkzindustries.com

Marking

T.B.D

Electrical characteristics

Frequency	Characteristic Impedance Upper limit	Characteristic Impedance Lower limit	ATT	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT	PS ANEXT	PS AACRF	PD
(MHz)	Zu (Ω)	Zl (Ω)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns/100m Max)
1	---	---	2.1	20.0	74.3	72.3	67.8	64.8	67.0	67.0	570.0
4	115.2	86.8	3.8	23.0	65.3	63.3	55.8	52.8	67.0	66.2	552.0
8	112.6	88.8	5.3	24.5	60.8	58.8	49.7	46.7	67.0	60.1	546.7
10	111.9	89.4	5.9	25.0	59.3	57.3	47.8	44.8	67.0	58.2	545.4
16	111.9	89.4	7.5	25.0	56.2	54.2	43.7	40.7	67.0	54.1	543.0
20	111.9	89.4	8.4	25.0	54.8	52.8	41.8	38.8	67.0	52.2	542.0
25	112.9	88.5	9.4	24.3	53.3	51.3	39.8	36.8	67.0	50.2	541.2
31.25	114.1	87.7	10.5	23.6	51.9	49.9	37.9	34.9	67.0	48.3	540.4
62.5	118.3	84.5	15.0	21.5	47.4	45.4	31.9	28.9	65.6	42.3	538.6
100	121.9	82.0	19.1	20.1	44.3	42.3	27.8	24.8	62.5	38.2	537.6
200	128.8	77.6	27.6	18.0	39.8	37.8	21.8	18.8	58.0	32.2	536.5
250	131.5	76.0	31.1	17.3	38.3	36.3	19.8	16.8	56.5	30.2	536.3
300	133.9	74.7	34.3	16.8	37.1	35.1	18.3	15.3	55.3	28.7	536.1
400	138.2	72.3	40.1	15.9	35.3	33.3	15.8	12.8	53.5	26.2	535.8
500	142.0	70.4	45.3	15.2	33.8	31.8	13.8	10.8	52.0	24.2	535.6

* Cable that meet the requirements of the characteristic impedance are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.

 Revision history:
 Rev.0 2019.01.20

 Prepared by: Micheas Shao
 Approved by: Yang Ji
 Date: 2019.01.20
