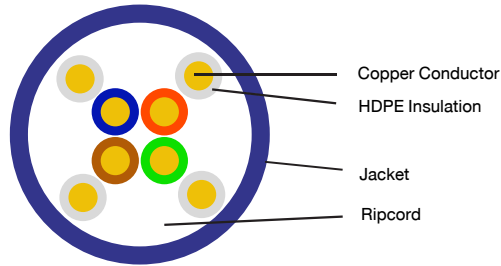


U/UTP CAT5E 24AWG LAN Cable



Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T(Gigabit Ethernet)
- 1000Base-TX
- 155Mbps ATM
- Data Center, VoIP, ISDN, PoE, IoT, CCTV

Standards :

- ANSI/TIA 568.2-D Cat5e
- ISO/IEC 11801:2017 Class D
- IEC61156
- UL444

Operating temperature : 60 °C

Structures :

- Construction : U/UTP
- Conductor dimension : 24AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.91 mm

Sheaths :

- Outer jacket material : CM/CMR PVC, LSZH
- Thickness : 0.6 mm
- Outer O.D. : 5.2 mm
- Outer jacket color : As customer request
- Ripcord : Yes

Electrical Characteristics

1-350 MHz impedance 100±15Ω
 Max. delay skew ≤ 45/100m
 Max. conductor resistance 95Ω/km (@20 °C)
 Max. conductor resistance unbalance 5% (@20 °C)
 Min. insulation resistance 5000MΩ/km
 Nom. mutual capacitance ≤ 5.6nF/100M @1KHz
 Nominal velocity of propagation 69%

Mechanical Characteristics

Outer jacket tensile strength ≥ 13.5Mpa
 Outer jacket elongation ≥ 150%
 Outer jacket aging condition 100 °C x 168 hrs.
 After aging, tensile strength ≥ 12.5Mpa
 After aging, elongation ≥ 125%
 Cold bend no crack (@-20 °C x 4 hrs.)
 Hot impact no crack (@150 °C x 4 hrs.)



Performance Characteristic :

Frequency (Mhz)	1	25	31.25	62.5	100	155	200	250	300	350
IL (dB/100m)	3.0	10.0	11.2	16.2	21.0	26.7	30.9	35.1	39.0	42.6
RL (dB)	19.0	18.0	17.1	14.1	12.0	10.1	9.0	8.0	7.2	6.6
Next (dB)	60.0	42.1	40.5	35.7	32.3	29.2	27.3	25.7	24.4	23.3
PS Next (dB)	57.0	39.1	37.5	32.7	29.3	26.2	24.3	22.7	21.4	20.3
ACR-F (dB)	58.6	30.7	28.7	22.7	18.6	14.8	12.6	10.7	9.1	7.7
PS ACR-F (dB)	55.6	27.7	25.7	19.7	15.6	11.8	9.6	7.7	6.1	4.7

Ordering Information :

P/N	Descriptions
AL-7111-XX*	UTP Cable CAT5E 24AWG CM PVC Blue 305M "ALFA BASE"

*XX = Color Code; R(Red), W(White), Y(Yellow), G(Green), GR(Gray), B(Blue)