

OUTDOOR UTP CABLE CAT6 SINGLE JACKET

Outdoor UTP Cable CAT6 23AWG Single Jacket PE

Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T(Gigabit Ethernet)
- 1000 Base-TX
- 155 Mbps ATM
- 622 Mbps ATM

Standards :

- ANSI/TIA 568.2-D Cat6
- ISO/IEC 11801

Operating temperature : 60°C

Structures :

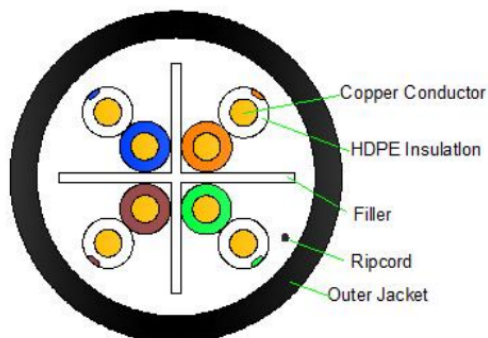
- Construction : U/UTP
- Conductor dimension : 23AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.96±0.05 mm
- Cross filler : Yes

Sheaths :

- Outer jacket material : PE
- Outer jacket thickness : 0.55±0.05 mm
- Overall dimension : 6.0±0.3 mm
- Outer jacket color : Per customer request
- Ripcord : Yes



Performance Characteristic :

Frequency (Mhz)	IL (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	RL (dB)
1	3.0	65.0	62.0	64.2	61.2	19.1
4	3.5	64.1	61.8	52.1	49.1	21.0
8	5.0	59.4	57.0	46.1	43.1	21.0
10	5.5	57.8	55.5	44.2	41.2	21.0
16	7.0	54.6	52.2	40.1	37.1	20.0
20	7.9	53.1	50.7	38.2	35.2	19.5
25	8.9	51.5	49.1	36.2	33.2	19.0
31.25	10.0	50.0	47.5	34.3	31.3	18.5
62.5	14.4	45.1	42.7	28.3	25.3	16.0
100	18.6	41.8	39.3	24.2	21.2	14.0
155	23.7	38.7	36.2	20.4	17.4	12.1
200	27.4	36.9	34.3	18.2	15.2	11.0
250	31.1	35.3	32.7	16.2	13.2	10.0

Electrical Characteristics

1-250 MHz impedance 100±15Ω
 Max. delay skew ≤ 45/100m
 Max. conductor resistance 93.8Ω/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 ≥ 10Mpa Outer jacket elongation ≥ 350%
 Outer jack 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.)

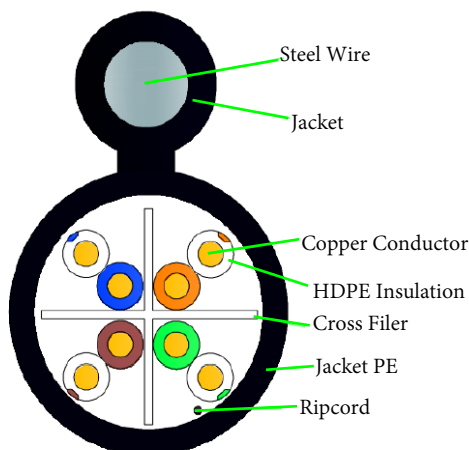


Ordering Information :

P/N	Descriptions
AL-7521-BK	UTP Cable CAT6 23AWG Single Jacket PE, Black 305M "ALFA BASE"

OUTDOOR UTP CABLE CAT6 SINGLE JACKET WITH MESSENGER WIRE

Outdoor UTP Cable CAT6 23AWG Single Jacket PE with Messenger Wire



Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T (Gigabit Ethernet)
- 1000 Base-TX
- 155 Mbps ATM
- 622 Mbps ATM

Standards :

- ANSI/TIA 568.2-D Cat6
- ISO/IEC 11801

Operating temperature : -40°C ~ 75°C

Structures :

- Construction : U/UTP
- Conductor dimension : 23AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.97±0.05 mm
- Cross filer : Yes

Suspension strand :

- Material : Galvanized steel wire
- Dimension : 1.2±0.02 mm
- Overall dimension : 2.9±0.5 mm

Sheaths :

- Outer jacket material : PE
- Outer jacket thickness : 0.9±0.1 mm
- Overall dimension : 6.6±0.5 mm
- Outer jacket color : Black
- Ripcord : Yes

Performance Characteristic :

Frequency (Mhz)	IL (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	RL (dB)
1	3.0	65.0	62.0	64.2	61.2	19.1
4	3.5	64.1	61.8	52.1	49.1	21.0
8	5.0	59.4	57.0	46.1	43.1	21.0
10	5.5	57.8	55.5	44.2	41.2	21.0
16	7.0	54.6	52.2	40.1	37.1	20.0
20	7.9	53.1	50.7	38.2	35.2	19.5
25	8.9	51.5	49.1	36.2	33.2	19.0
31.25	10.0	50.0	47.5	34.3	31.3	18.5
62.5	14.4	45.1	42.7	28.3	25.3	16.0
100	18.6	41.8	39.3	24.2	21.2	14.0
155	23.7	38.7	36.2	20.4	17.4	12.1
200	27.4	36.9	34.3	18.2	15.2	11.0
250	31.1	35.3	32.7	16.2	13.2	10.0

Electrical Characteristics

1-250 MHz impedance 100±15Ω
 Max. delay skew ≤ 45/100m
 Max. conductor resistance 93.8Ω/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 ≥ 9.7Mpa
 Outer jacket elongation ≥ 350%
 Max. recommended rolling tension 110N
 Outer jack 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 4 hrs.)
 Hot impact no crack (@150 °C x 4 hrs.)

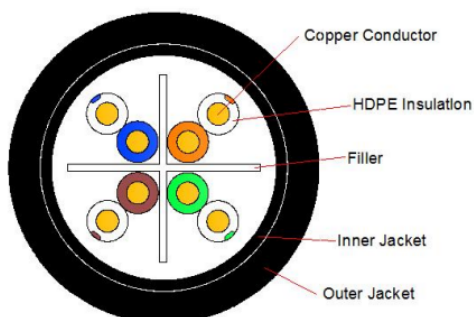


Ordering Information :

P/N	Descriptions
AL-7522-BK	UTP Cable CAT6 23AWG Single Jacket PE with Messenger Wire, Black 305M "ALFA BASE"

OUTDOOR UTP CABLE CAT6 DOUBLE JACKET

Outdoor UTP Cable CAT6 23AWG Double Jacket PE+PVC



Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T(Gigabit Ethernet)
- 1000 Base-TX
- 155 Mbps ATM
- 622 Mbps ATM

Standards :

- ANSI/TIA 568.2-D Cat6
- ISO/IEC 11801

Operating temperature : 60°C

Structures :

- Construction : U/UTP
- Conductor dimension : 23AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.96±0.05 mm
- Cross filler : Yes

Sheaths :

- Inner jacket material : PVC
- Inner jacket thickness : 0.5±0.05 mm
- Inner overall dimension : 5.8±0.3 mm
- Outer jacket material : PE
- Outer jacket thickness : 0.55±0.05 mm
- Outer overall dimension : 7.1±0.5 mm
- Outer jacket color : Black
- Ripcord : Yes

Performance Characteristic :

Frequency (Mhz)	IL (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	RL (dB)
1	3.0	65.0	62.0	64.2	61.2	19.1
4	3.5	64.1	61.8	52.1	49.1	21.0
8	5.0	59.4	57.0	46.1	43.1	21.0
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20	7.9	53.1	50.7	38.2	35.2	19.5
25	8.9	51.5	49.1	36.2	33.2	19.0
31.25	10.0	50.0	47.5	34.3	31.3	18.5
62.5	14.4	45.1	42.7	28.3	25.3	16.0
100	18.6	41.8	39.3	24.2	21.2	14.0
155	23.7	38.7	36.2	20.4	17.4	12.1
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250	31.1	35.3	32.7	16.2	13.2	10.0

Electrical Characteristics

1-250 MHz impedance 100±15Ω
 Max. delay skew ≤ 45/100m
 Max. conductor resistance 93.8Ω/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 ≥ 9.7Mpa
 Outer jacket elongation ≥ 350%
 Outer jack aging condition 100 °C x 168 hrs.
 After aging, tensile strength ≥ 75% of unaging
 After aging, elongation ≥ 75% of unaging
 Cold bend no crack (@-20 °C x 4 hrs.)
 Hot impact no crack (@150 °C x 4 hrs.)

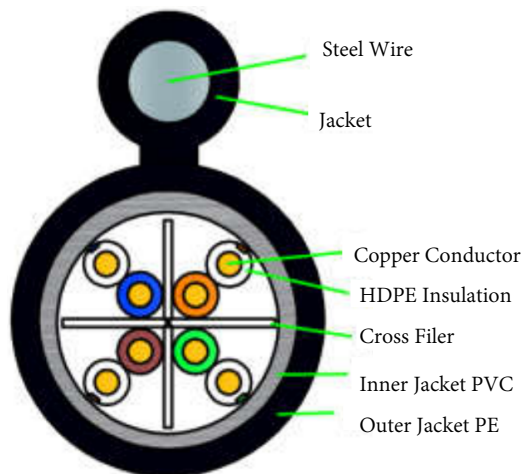


Ordering Information :

P/N	Descriptions
AL-7523-BK	UTP Cable CAT6 23AWG Double Jacket PE+PVC, Black 305M "ALFA BASE"

OUTDOOR UTP CABLE CAT6 DOUBLE JACKET WITH MESSENGER WIRE

Outdoor UTP Cable CAT6 23AWG Double Jacket (PVC+PE) with Messenger Wire



Applications :

- 100 Base-TX
- 100 Base-T
- 100VG-AnyLAN
- 1000 Base-T(Gigabit Ethernet)
- 1000 Base-TX
- 155 Mbps ATM
- 622 Mbps ATM

Standards :

- ANSI/TIA 568.2-D Cat6
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- Construction : U/UTP
- Conductor dimension : 23AWG
- Conductor material : Solid copper

Insulations :

- Insulation material : HDPE
- Insulation dimension : 0.96±0.05 mm
- Cross filer : Yes

Suspension strand :

- Material : Galvanized steel wire
- Dimension : 1.2±0.02
- Overall dimension : 2.8±0.5

Sheaths :

- Inner jacket material : PVC
- Inner jacket thickness : 0.5±0.05 mm
- Inner overall dimension : 5.8±0.3 mm
- Outer jacket material : PE
- Outer jacket thickness : 0.9±0.1 mm
- Outer overall dimension : 7.7±0.5 mm
- Outer jacket color : Black
- Ripcord : Yes

Performance Characteristic :

Frequency (Mhz)	IL (dB/100m)	NEXT (dB)	PS NEXT (dB)	ACR-F (dB)	PS ACR-F (dB)	RL (dB)
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 Max. recommended rolling tension 110N
 Outer jack aging condition 100 °C x 168 hrs.
 After aging, tensile strength ≥ 75% of unaging
 After aging, elongation ≥ 50% of unaging
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 Hot impact no crack (@150 °C x 4 hrs.)



Ordering Information :

P/N	Descriptions
AL-7524-BK	UTP Cable CAT6 23AWG Double Jacket (PVC+PE) with Messenger Wire, Black 305M "ALFA BASE"