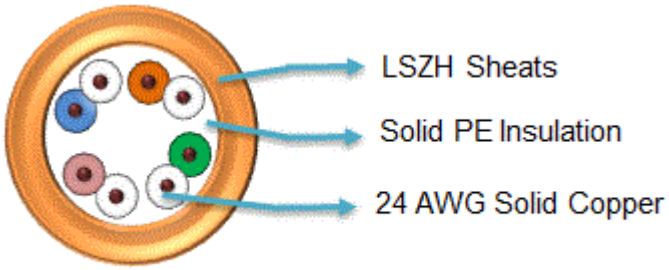
INDOOR TYPE CAT-5e U/UTP 24 AWG LSZH SHEATH

1. CABLE CONSTRUCTION:



Conductor : Annealed Copper Conductor 24 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : HFFR/LSZH (IEC 60332-1-2) with Orange.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> INDOOR CAT-5e U/UTP 24 AWG LSZH SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-5e U/UTP 24 AWG LSZH Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Max (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
93,8	5000	56	%67-69	1200	100±15 1-100 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2 IEC-61156-5 IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	65.3	62.3	63.8	60.8	570
4	4.1	23.0	56.3	53.3	51.8	48.8	552
8	5.8	24.5	51.8	48.8	45.7	42.7	547
10	6.5	25.0	50.3	47.3	43.8	40.8	545
16	8.2	25.0	47.2	44.2	39.7	36.7	543
20	9.3	25.0	45.8	42.8	37.8	34.8	542
25	10.4	24.3	44.3	41.3	35.8	32.8	541
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540
62.5	17.0	21.5	38.4	35.4	27.9	24.9	539
100	22.0	20.1	35.3	32.3	23.8	20.8	538

Delay skew ≤ 45ns/100m (1-100MHz.)

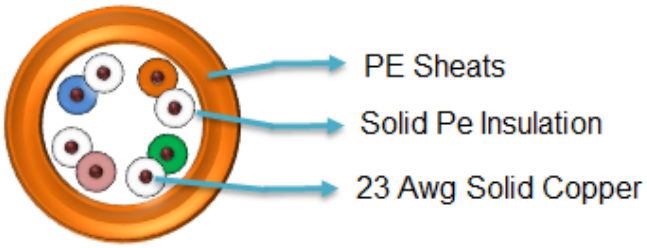
7. CORE IDENTIFICATION:

Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.51	5.0	14.8	30	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 100 Mbit/sec.

INDOOR TYPE CAT-5E U/UTP 24 AWG PVC SHEATH

1. CABLE CONSTRUCTION:



Conductor : Annealed Copper Conductor 24 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : PVC with Orange.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> INDOOR CAT-5E U/UTP 24 AWG PVC SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-5E U/UTP 24 AWG PE Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Max (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
93,8	5000	56	%67-69	1200	100±15 1-100 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2 IEC-61156-5 IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	65.3	62.3	63.8	60.8	570
4	4.1	23.0	56.3	53.3	51.8	48.8	552
8	5.8	24.5	51.8	48.8	45.7	42.7	547
10	6.5	25.0	50.3	47.3	43.8	40.8	545
16	8.2	25.0	47.2	44.2	39.7	36.7	543
20	9.3	25.0	45.8	42.8	37.8	34.8	542
25	10.4	24.3	44.3	41.3	35.8	32.8	541
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540
62.5	17.0	21.5	38.4	35.4	27.9	24.9	539
100	22.0	20.1	35.3	32.3	23.8	20.8	538

Delay skew ≤ 45ns/100m (1-100MHz.)

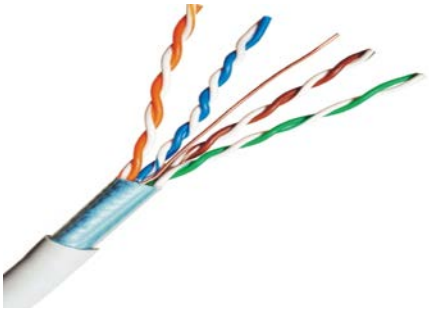
7. CORE IDENTIFICATION:

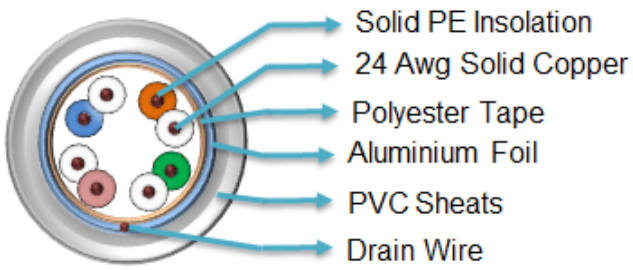
Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.51	5.0	14.8	30	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 100 Mbit/sec.

INDOOR TYPE CAT-5E F/UTP 24 AWG PVC SHEATH

1. CABLE CONSTRUCTION:





Conductor : Annealed Copper Conductor 24 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Shielding : Laminated Aluminium Foil and Drain wire.

Outer Sheath : PVC with RAL 7035 Grey.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> INDOOR CAT-5E F/UTP 24 AWG PVC SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-5E F/UTP 24 AWG PVC Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length…….meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

F/UTP Cable (Shielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class D channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

Token Ring 100 Mbps

Broadband and Baseband Video

100 Mbps CDDI

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Max (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
93,8	5000	56	%67-69	1000	100±15 1-100 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2
IEC-61156-5
IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	65.3	62.3	63.8	60.8	570
4	4.1	23.0	56.3	52.3	51.8	48.8	552
8	5.8	24.5	51.8	48.8	45.7	42.7	547
10	6.5	25.0	50.3	47.3	43.8	40.8	545
16	8.2	25.0	47.2	44.2	39.7	36.7	543
20	9.3	25.0	45.8	42.8	37.8	34.8	542
25	10.4	24.3	44.3	41.3	35.8	32.8	541
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540
62.5	17.0	21.5	38.4	35.4	27.9	24.9	539
100	22.0	20.1	35.3	32.3	23.8	20.8	538

Delay skew ≤ 45ns/100m (1-100MHz.)

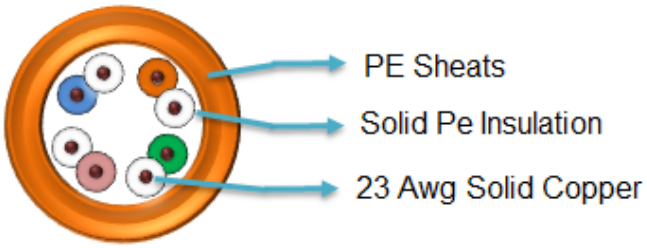
7. CORE IDENTIFICATION:

Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.51	5.0	14.8	30	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 100 Mbit/sec.

OURDOOR TYPE CAT-5E U/UTP 24 AWG PE SHEATH

1. CABLE CONSTRUCTION:



Conductor : Annealed Copper Conductor 24 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : UV resistance with Orange PE.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> OUTDOOR CAT-5E U/UTP 24 AWG PE SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-5E U/UTP 24 AWG PE Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Max (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
93,8	5000	56	%67-69	1200	100±15 1-100 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2 IEC-61156-5 IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	65.3	62.3	63.8	60.8	570
4	4.1	23.0	56.3	53.3	51.8	48.8	552
8	5.8	24.5	51.8	48.8	45.7	42.7	547
10	6.5	25.0	50.3	47.3	43.8	40.8	545
16	8.2	25.0	47.2	44.2	39.7	36.7	543
20	9.3	25.0	45.8	42.8	37.8	34.8	542
25	10.4	24.3	44.3	41.3	35.8	32.8	541
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540
62.5	17.0	21.5	38.4	35.4	27.9	24.9	539
100	22.0	20.1	35.3	32.3	23.8	20.8	538

Delay skew ≤ 45ns/100m (1-100MHz.)

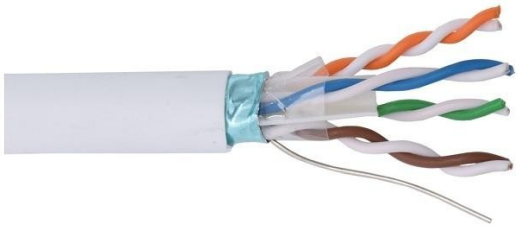
7. CORE IDENTIFICATION:

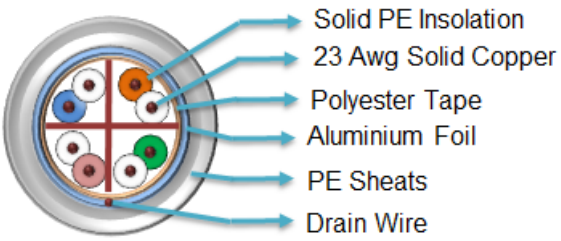
Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.51	5.0	14.8	30	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 100 Mbit/sec.

OUTDOOR TYPE CAT-6 F/UTP 23 AWG PVC SHEATH

1. CABLE CONSTRUCTION:





Conductor : Annealed Copper Conductor 23 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Separator : The pairs are twisted together with a star separator.

Shielding : Tinned Copper wire , AL/PET core wrapping

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : UV resistance with Grey PVC.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> INDOOR CAT-6 F/UTP 23 AWG PVC SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-6 U/UTP 23 AWG LSZH Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

250 Mbps ATM

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Nom (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
72	5.000	56	%67-69	1200	100±15 1-250 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2
IEC-61156-5
IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	47.3	72.3	67.8	64.8	570
4	3.8	23.0	65.3	63.3	55.8	52.8	552
8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	6.0	25.0	59.3	57.3	47.8	44.8	545
16	7.6	25.0	56.2	54.2	43.7	40.7	543
20	8.5	24.3	54.8	52.8	41.8	38.8	542
25	9.5	23.6	53.3	51.3	39.8	36.8	541
31.25	10.7	21.5	51.9	49.9	37.9	34.9	540
62.5	15.4	20.1	47.4	45.4	31.9	28.9	539
100	19.8	18.0	44.3	42.3	27.8	24.8	538
200	29.0	17.3	39.8	37.8	21.8	18.8	537
250	32.8	16.8	38.3	36.3	19.8	16.8	536

Delay skew ≤ 45ns/100m (1-250MHz.)

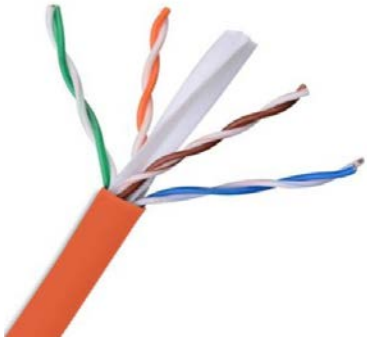
7. CORE IDENTIFICATION:

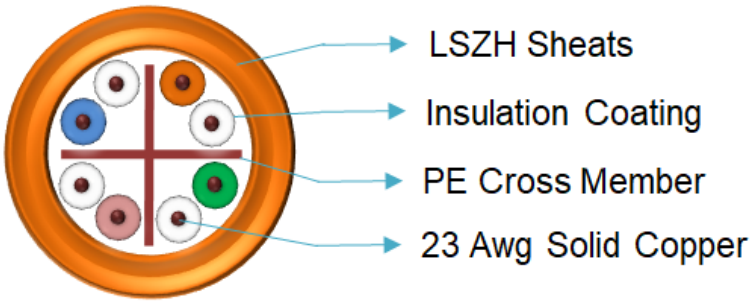
Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.57	6.5	19.9	48	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 250 Mbit/sec.

INDOOR TYPE CAT-6 U/UTP 23 AWG LSZH SHEATH

1. CABLE CONSTRUCTION:





Conductor : Annealed Copper Conductor 23 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Separator : The pairs are twisted together with a star separator.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : HFFR/LSZH (IEC 60332-1-2) with Orange.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2019 <CUSTOMER NAME> INDOOR CAT-6 U/UTP 23 AWG LSZH SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2019)

-Name of Customer

-CAT-6 U/UTP 23 AWG LSZH Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

250 Mbps ATM

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Nom (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
72	5.000	56	%67-69	1200	100±15 1-250 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2
IEC-61156-5
IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	47.3	72.3	67.8	64.8	570
4	3.8	23.0	65.3	63.3	55.8	52.8	552
8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	6.0	25.0	59.3	57.3	47.8	44.8	545
16	7.6	25.0	56.2	54.2	43.7	40.7	543
20	8.5	24.3	54.8	52.8	41.8	38.8	542
25	9.5	23.6	53.3	51.3	39.8	36.8	541
31.25	10.7	21.5	51.9	49.9	37.9	34.9	540
62.5	15.4	20.1	47.4	45.4	31.9	28.9	539
100	19.8	18.0	44.3	42.3	27.8	24.8	538
200	29.0	17.3	39.8	37.8	21.8	18.8	537
250	32.8	16.8	38.3	36.3	19.8	16.8	536

Delay skew ≤ 45ns/100m (1-250MHz.)

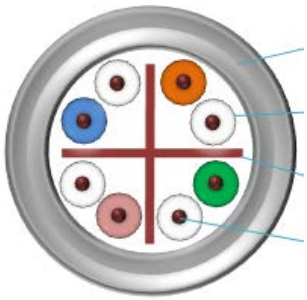
7. CORE IDENTIFICATION:

Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.57	6.4	19.9	45	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 250 Mbit/sec.

INDOOR TYPE CAT-6 U/UTP 23 AWG PVC SHEATH

1. CABLE CONSTRUCTION:



Conductor : Annealed Copper Conductor 23 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Separator : The pairs are twisted together with a star separator.

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : Grey PVC.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> OUTDOOR CAT-6 U/UTP 23 AWG PVC SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with non-returnable non-fumigated wooden drums or 305 meter packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-6 U/UTP 23 AWG PVC Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length……meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

250 Mbps ATM

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Nom (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
72	5.000	56	%67-69	1200	100±15 1-250 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2
IEC-61156-5
IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
1	2.0	20.0	47.3	72.3	67.8	64.8	570
4	3.8	23.0	65.3	63.3	55.8	52.8	552
8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	6.0	25.0	59.3	57.3	47.8	44.8	545
16	7.6	25.0	56.2	54.2	43.7	40.7	543
20	8.5	24.3	54.8	52.8	41.8	38.8	542
25	9.5	23.6	53.3	51.3	39.8	36.8	541
31.25	10.7	21.5	51.9	49.9	37.9	34.9	540
62.5	15.4	20.1	47.4	45.4	31.9	28.9	539
100	19.8	18.0	44.3	42.3	27.8	24.8	538
200	29.0	17.3	39.8	37.8	21.8	18.8	537
250	32.8	16.8	38.3	36.3	19.8	16.8	536

Delay skew ≤ 45ns/100m (1-250MHz.)

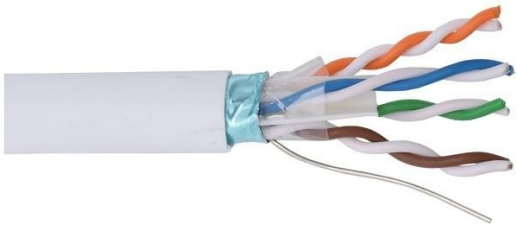
7. CORE IDENTIFICATION:

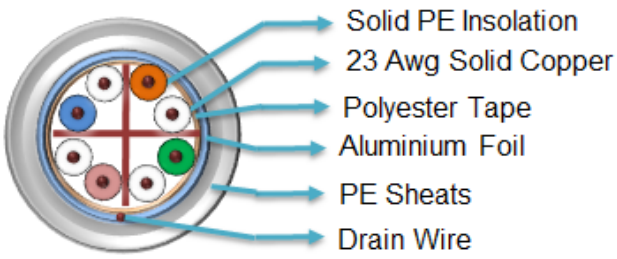
Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.57	6.4	19.9	45	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 250 Mbit/sec.

OUTDOOR TYPE CAT-6 F/UTP 23 AWG PE SHEATH

1. CABLE CONSTRUCTION:





Conductor : Annealed Copper Conductor 23 AWG.

Insulation : Solid PE Insulation.

Stranding : Insulated wires are twisted in pairs.

Separator : The pairs are twisted together with a star separator.

Shielding : Tinned Copper wire , AL/PET core wrapping

Color Code of Conductors: Blue/White-Blue; Orange/White-Orange; Green/White-Green; Brown/White-Brown.

Outer Sheath : UV resistance with Grey PE.

Note: Also, we can be produced different colors upon on customer demand.

The Length Marking on Cable as Like Below:

The following designations shall be applied in a continuous row to the outer sheath so that they are clearly legible over the entire length of the cable.

TURKUAZ CABLE 2018 <CUSTOMER NAME> INDOOR CAT-6 F/UTP 23 AWG PE SHEATH XXXX MT

The Packing and Marking as Like Below:

Shipment will be done with 500 -1000 meters non-returnable non-fumigated wooden drums or 305 meters packages with protection.

The cable drums are labeled as:

-Manufacturer Name and year of Manufacturing (TURKUAZ CABLE 2018)

-Name of Customer

-CAT-6 U/UTP 23 AWG LSZH Sheath

-Gross Weight ……kg

-Net Weight…….kg

-Length…….meter

-Drum Numbers for each drums or package numbers for each packages.

2. APPLICATION:

U/UTP Cable (Unshielded Twisted Pair Cable), which is used in a horizontal or vertical configuration, it constitutes the base of a voice, data, imagine network to very high rate.

Performances of this cable exceed the current standards, its use with connectors ensure conformity with Class E channel.

So this cable is used for transmission of digital and analogue voice, data and signals. It can transmit:

10 BASE-T (IEEE 802.3) Ethernet

100 BASE-T (IEEE 802.3 U) Fast Ethernet

1000 BASE-T (IEEE 802.3 AB) Gigabit Ethernet

100 VG-AnyLAN (IEEE 802.12)

4/16 Mbps Token Ring (IEEE 802.5)

100 Mbps CDDI

250 Mbps ATM

3. ELECTRICAL CHARACTERISTICS:

Conductor Resistance Nom (Ω/Km)	Insolation Resistance 500V DC (MΩ)	Mutual Capacity Max (nF/Km)	Velocity of Propagation	Dielectric Strength (V)	Impedance (Ω)
72	5.000	56	%67-69	1200	100±15 1-250 MHz

4. MECHANICAL CHARACTERISTICS:

Bending Radius (mm)	Max. Tensile Strength (N/mm)	Operating Temperature (°C)
8xD	50	-20°C ~ +60°C

5. STANDARDS OF CABLE:

International Standards
ANSI/TIA-568-C.2
IEC-61156-5
IEC-11801

6. TRANSMISSION CHARACTERISTICS:

Frequency (MHz)	Insertion Loss (Attenuation) dB/100m (Max)	Return Loss (RL) dB (min)	NEXT dB (Min)	PS NEXT dB (Min)	ELFEXT (ACRF) dB/100m (Min)	PS ELFEXT (PS ACRF) dB/100m (Min)	Propagation Delay ns//100m (Max)
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8	5.3	24.5	60.8	58.8	49.7	46.7	547
10	6.0	25.0	59.3	57.3	47.8	44.8	545
16	7.6	25.0	56.2	54.2	43.7	40.7	543
20	8.5	24.3	54.8	52.8	41.8	38.8	542
25	9.5	23.6	53.3	51.3	39.8	36.8	541
31.25	10.7	21.5	51.9	49.9	37.9	34.9	540
62.5	15.4	20.1	47.4	45.4	31.9	28.9	539
100	19.8	18.0	44.3	42.3	27.8	24.8	538
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250	32.8	16.8	38.3	36.3	19.8	16.8	536

Delay skew ≤ 45ns/100m (1-250MHz.)

7. CORE IDENTIFICATION:

Per Number	Conductor Diameter (mm)	Outer Diameter (mm)	Copper Weight (kg/km)	Average Weight (kg/km)	Packing/Drum Size (m)
4	0.57	6.5	19.9	48	100/305/500/1000

NOTES: It is suitable for analog and digital signal transmission up to 250 Mbit/sec.