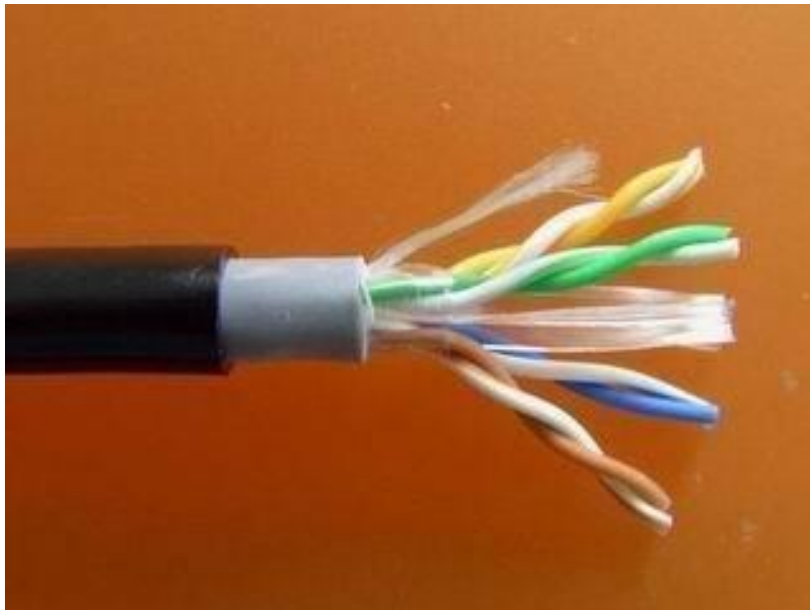


requirement for:

4X2X23 AWG Horizontal Lan Cable FTP
UV outdoor IEC 61156-5 CAT6, IEC
60332-1 RoHS

P/V: 201920





1. Application:

- a. Structured cabling for computer networks such as Ethernet over twisted pair.
- b. Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG ANYLAN, 155 ATM, 622 ATM,

2. Standards:

- a. ANSI Specification:
ANSI/NEMA WC-66, ANSI/ICEA S-90-661, ANSI/UL 444EN

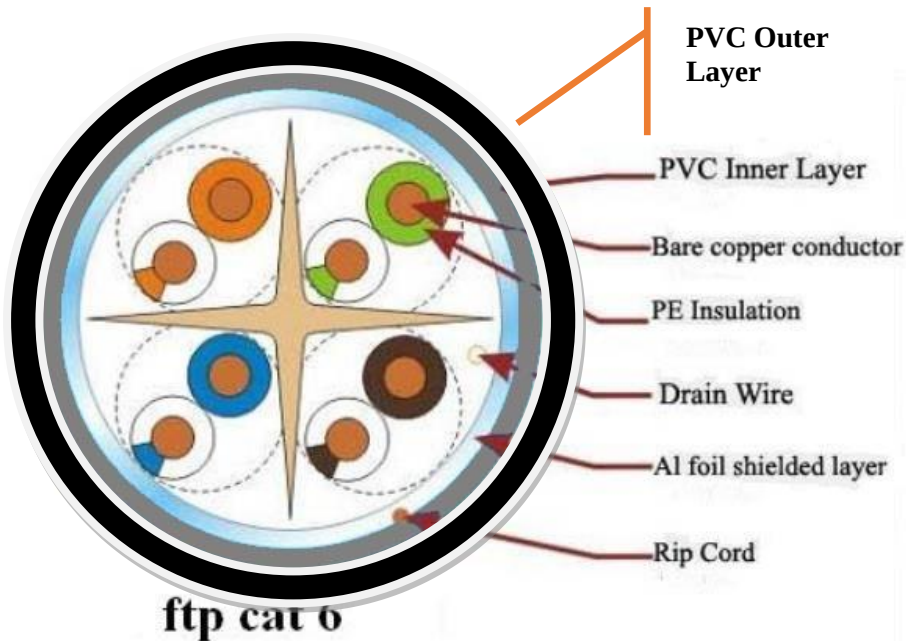
3. Quick Detail

Name	Feature	Application	Conductor	Jacket
FTP CAT6 LAN Cable	Shielded twisted LAN Cable Category 6 Flexible cable 500MHz frequency Meets all requirements for Gigabit Ethernet	100 Base-T4 100 Base-TX 100VG-AnyLAN 1000 Base-T(Gigabit Ethernet) 155 Mbps ATM 622 Mbps ATM	0.58mm pure copper Stranded 23AWG	Double Jacket NEW PVC jacket

1. Cable Construction:

201920 Ethernet Lan Cable	
Category	CAT6 TIA 568.C.2
Specifications	4 pairs
Conductor	0.58mm (23AWG)
Material	Solid Bare Copper
Shield	FTP (100% Shielded Foil Twisted Pair)
Jacket	PVC
Working Distance	100-120m
Insulation	Foam-skin polyethylene, 1.38 mm OD
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Overall screen	Al-laminated plastic foil + tinned 26 AWG drain wire
Inner Jacket thickness	0.5+-0.05 mm
Color	Gray
Outer Jacket thickness	UV outdoor OD 7.3 mm
Color	Black
Meters	305mtr

5. Cable diagram



6. Conductors colors:

- Pair 1: white-blue , blue
- Pair 2: white-orange, orange
- Pair 3: white-green , green
- Pair 4: white-brown , brown

Mechanical Characteristics (Overall)

- ❖ Storage Temperature Range: -20°C To +75°C
- ❖ Installation Temperature Range: +5°C To +50°C
- ❖ Operating Temperature Range: -20°C To +75°C
- ❖ Bulk Cable Weight: 27 lbs/1000 ft.
- ❖ Max. Recommended Pulling Tension: 40 lbs. Min.
Bend Radius/Minor Axis: 0.750 in.
Min. Bend/Installation: 2.250 in.

Electrical Characteristics (Overall)

- ❖ Nom. Mutual Capacitance: Capacitance (pF/ft) - 15
- ❖ Maximum Capacitance Unbalance: Capacitance (pF/ft) - 330.000
- ❖ Maximum Capacitance Unbalance (pF/100 m): 330
- ❖ Nominal Velocity of Propagation: VP (%) : 72
- ❖ Maximum Delay (ns/100 m) 537 @ 100MHz
- ❖ Max. Delay Skew:
- ❖ Delay Skew (ns/100 m) : 35.000
- ❖ Maximum Conductor DC Resistance: DCR @ 20°C (Ohm/100 m) : 7.800
- ❖ Max. Operating Voltage - UL: Voltage - 300 V RMS

