

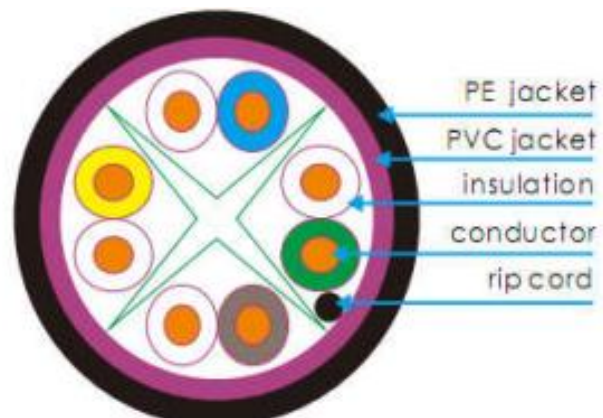
UTP Cat6 23AWG Outdoor Solid Cable

SAFENET 4-Pair UTP Cat6 Outdoor cable has been designed to support high speed data transmission systems such as Gigabit Ethernet for mission critical LAN applications or future proofing Structured Cabling Systems. The cable is characterized to 250MHz and Power sum NEXT tested. We conform that the cable is used in a system to maximize cabling performance, providing extended frequency response and enhanced.



Products Characteristics

- Conductor: Solid bare copper
- Conductor Diameter: $0.57 \pm 0.01 \text{mm}$ /23AWG
- Insulation: HDPE
- Diameter: $0.98 \pm 0.02 \text{mm}$
- Cross skeleton : $4.5 * 0.45 \text{mm}$
- Rip Cord: Optional
- Inner Jacket: PVC
- Diameter: $6.5 \pm 0.5 \text{mm}$ Thickness : $\geq 0.5 \text{mm}$
- Outer Jacket: LDPE
- Diameter: $8.1 \pm 0.5 \text{mm}$ Thickness : $\geq 0.5 \text{mm}$
- Linear Resistance: $\leq 9.5 \Omega / 100 \text{m}$
- Insulation Resistance: $\geq 5000 \text{M}\Omega / \text{km}$
- Mutual Capacity 0.8kHz : $\leq 5.6 \text{nF} / 100 \text{m}$
- Unbalance Capacity: $\leq 330 \text{pF} / 100 \text{m}$
- Characteristic Impedance: $100 \pm 15 \Omega$



Complied Standards

- ISO/IEC 11801
- TIA/EIA 568-C.2
- EN50173
- RoHS 2011/65/EU
- REACH EC 1907/2006

Installation Information

- Working temperature : -20°C to $+60^\circ \text{C}$
- Bending radius : $\geq 10 \times \text{out diameter}$

Key Feature

- Compliant to TIA-568.2-D Category 6 cable specifications
- 23 AWG SOLID-Bare Copper Conductor
- Characterized and tested up to 250MHz
- 4 Pair with LSZH Outer Jacket

Physical Characteristics

- Conductor Elongation ratio : $\geq 15\%$
- Insulation Tensile strength : $\geq 16 \text{MPa}$
- Insulation Elongation ratio : $\geq 300\%$
- Jacket Tensile strength: $\geq 13.5 \text{Mpa}$ Mb/s
- Jacket Elongation ratio: $\geq 150\%$

■ Transmission performance (20°C,100m):

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (Db)
1	20	2.0	74.3	72.3	67.8	64.8
4	23	3.8	66.3	63.3	56.0	53.0
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	6.0	60.3	57.3	48.0	45.0
16	25	7.6	57.2	54.2	49.9	40.9
20	25	8.5	55.8	52.8	42.0	39.0
25	24.3	9.5	54.3	51.3	40.0	37.0
31.25	23.6	10.7	52.9	49.9	38.1	35.1
62.50	21.5	15.4	48.4	45.4	32.1	29.1
100	20.1	19.8	45.3	42.3	28.0	25.0
200	18.0	29.0	40.8	37.8	22.0	19.0
250	17.3	32.8	39.3	36.3	20.0	17.0

■ Ordering Information

Part No	Name of items	Color	Weight
32-3351BK	UTP Cat.6 23AWG Outdoor Solid Cable, 0.57mm, 305M/Roll	Black	21 KG