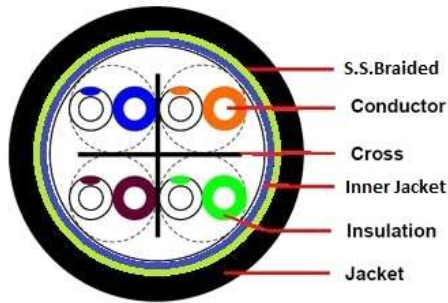


R195719 Cat6 UTP, 23 AWG, SS Braided, Outdoor Cable



APPLICATION

The cable is suitable for noisy environments, near power lines and high EMI interference surroundings

CONSTRUCTION

Conductor	: Solid bare Electrolytic Grade Copper
Nominal Conductor Diameter	: 23 AWG, 0.55 ± 0.010
Insulation	: Polyethylene
Inner Sheath	: PVC
Polyester Tape	: 20 x 0.050 mm
Thickness of Inner Jacket	: 0.50 to 0.55 mm
Braiding	: Steel Wire
No. of Wire/Size of Wire	: 160/0/10mm
Outer Jacket	: PE Weather Proof
Thickness of Outer Jacket	: 0.50 to 0.55 mm
Color of Outer Jacket	: Black
Cable Diameter	: 7.8 ± 0.7 mm nominal

MECHANICAL PROPERTIES

Temperature Range : -20° to +60°C

LOW FREQUENCY ELECTRICAL PARAMETER

- Conductor Resistance (DC): 72.74 Ohms/1000mtr @20°C. MAX.
- Resistance Unbalance : 5%MAX
- Mutual Capacitance: 5.6 nF/100 mtrs Max.
- Capacitance Unbalance Pair/Ground: 330pF/100m max.
- Propagation Delay Skew: < 536 nS/100m
- Normal Velocity of Propagation: 69%
- Impedance: 100±15%Ohms
- Worst Case cable skew :< 45ns/100m
- Generally confirming to EIA/TIA 568-C and IEC/ISO 11801

HIGH FREQUENCY ELECTRICAL PARAMETER

FREQ (MHz)	ATT (dB/ 100m) max.	PS.NEXT (dB) min.	PS.ACR (dB @ 100 m) min.	PS.ELFEXT (dB @ 100 m) min	Return Loss (dB/100m)
1	2	72.3	70.3	64.8	20
4	3.8	63.3	59.5	52.7	23
8	5.4	58.8	53.4	46.7	24.5
10	6	57.3	51.3	44.8	25
16	7.6	54.3	46.7	40.7	25
20	8.5	52.8	44.3	38.7	25
25	9.6	51.3	41.7	36.8	24.3
31.25	10.7	49.9	39.2	34.9	23.6
62.5	15.5	45.1	29.9	28.8	21.5
100	19.9	42.3	22.4	24.8	20.1
155	25.3	39.5	14.2	20.9	18.8
200	29.2	37.8	8.6	18.7	18
250	33	36.3	3.3	16.8	17.3