



### Features

- PE Sheathed for greater protection
- UV Resistant
- Suitable for Outdoor Installations

## CAT 6 CABLE OUTDOOR

### Electrical Parameters

- CONDUCTOR RESISTANCE (DC): 9.38  $\Omega$  /100MTR@20° C. MAX.
- RESISTANCE UNBALANCE: 4 %MAX
- DIELECTRIC STRENGTH: 1.7 KV AC for 2S
- INSULATION RESISTANCE: 5000 M $\Omega$  /km
- MUTUAL CAPACITANCE: 5.6 nF/100 mtrs MAX.
- CAPACITANCE UNBALANCE PAIR/GROUND: 330 pF/100M MAX
- PROPAGATION DELAY: 536 nS/100m max @ 250 MHz
- DELAY SKEW:  $\leq$ 45 nS/100M
- NORMAL VELOCITY OF PROPAGATION: 69%
- TENSILE STRENGTH: >9MPa, (9000KN/Square Meter)
- IMPEDANCE: 100  $\pm$  15%  $\Omega$



### Construction:

Conductor	<i>Solid Bare Electrolytic Grade Copper</i>
Nominal Conductor Diameter	<i>(23 AWG)</i>
Insulation	<i>Polyethylene</i>
Insulation Diameter	<i>0.973 <math>\pm</math> 0.05 mm</i>
Insulation Thickness	<i>0.217mm</i>
Sheath Thickness	<i>0.5 <math>\pm</math> 0.15 mm</i>
Outer Jacket:	<i>UV-PE</i>
Color of Jacket	<i>Blue</i>
Sequential Marking	<i>At Every Meter</i>
Filler	<i>Yes. Central Slit Film Cross Filler</i>
Approximate OD	<i>7.1 mm</i>





### HIGH FREQUENCY PARAMETER

FREQ	Ins. Loss	RL	NEXT	ELFEXT	PSNEXT	PSELFEXT
(MHz)	(dB/100)	(dB)	(dB/100)	(dB/100)	(dB/100)	(dB/100)
	Max.	Min	Min.	Min.	Min.	Min.
1	2.1	20	75	68	72.3	65
4	3.8	23	66.3	56	63.3	53
10	6	25	60.3	48	57.3	45
16	7.6	25	57.2	43.9	54.2	40.9
20	8.5	25	55.8	42	52.8	39
31.25	10.7	23.6	52.9	38.1	49.9	35.1
62.5	15.5	21.5	48.4	32.1	45.4	29.1
100	19.9	20.1	45.3	28	42.3	25
200	29.1	18	40.8	22	37.8	19
250	33	17.3	39.3	20	36.3	17

