

## UTP CAT. 6e | 4 Pair x 23 AWG (Cu/HDPE/PVC-FR) HDPE Insulated, FR-PVC Sheathed Cable

### APPLICATION

This cables are high performance cables used increasingly for modern computer network system. These cables are the backbone of data transmission in industries, residential and commercial infrastructure.

### CONSTRUCTION

**Conductor:** Solid Plain annealed copper to ASTM B3  
**Insulation:** High Density Polyethylene (HDPE) to EN 50290  
**Separator:** Polyethylene  
**Sheath:** FR-PVC, TM2 to EN 50290  
**Option:** FRLS Type/ LSZH Type

### OPERATING TEMP.

- 10°C to +60°C  
 Max Short Circuit 160°C

### WORKING FREQUENCY

1-250 MHz

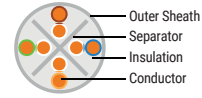
### STANDARD

ISO/IEC 11801  
 TIA/EIA-568-B  
 BS EN 50288-5-1  
 EN 50173-1

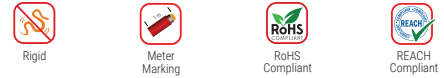
### COLOR

**Insulated Core:** W-BI, W-Or, W-Br, W-G  
**Sheath:** ● Grey

\*REACH | RoHS | CE



### CHARACTERISTICS



### INSTALLATION CONDITION



### CABLE DESIGN PARAMETER

PHYSICAL DATA					
Number of pair x Size	Number & diameter of wire	Approx. Core diameter	Nominal thickness of sheath	Approx. Overall diameter	Approx. weight of cable
no. x AWG	no./mm	mm	mm	mm	Kg/Km
4x2x23 AWG	1/0.57	1.0	0.9	6.60	41

TECHNICAL DATA					
Conductor resistance	Max. ring resistance	Max. mutual capacitance	Min. Insulation resistance	Standard impedance	Min. bending radius
ohm/km	ohm/100m	pF/100m	M.ohm.km	ohm	mm
71.03	14.5	48.0	500	100 ±15	25

TRANSMISSION SPECIFICATIONS						
Frequency	Attenuation Minimum value of EN 50288-3-1	NEXT Minimum value of EN 50288-3-1	PS NEXT Minimum value of EN 50288-3-1	ELFEXT Minimum value of EN 50288-3-1	PS ELFEXT Minimum value of EN 50288-3-1	Return loss
MHz	dB/100m	dB	dB	dB	dB/100m	dB
1	2.10	66.00	64.00	66.00	64.00	-
10	6.00	59.30	57.30	50.00	47.00	25.00
16	7.60	56.20	54.20	45.90	43.00	25.00
31.25	10.80	51.90	49.90	40.10	37.10	23.60
62.5	15.50	47.40	45.40	34.10	31.10	21.50
100	19.90	44.30	42.30	30.00	27.00	20.10
155	25.30	41.40	39.40	26.20	23.20	18.80
200	29.10	39.80	37.80	24.00	21.00	18.00
250	33.00	38.30	36.30	22.00	19.00	17.30
350	36.00	43.10	41.10	21.00	18.20	17.00
500	42.20	40.80	38.80	20.80	17.80	16.70