



**RoHS  
Compliant**

## Specifications

### Designed of cable

Inner Conductor : Single Bare Copper 1/0.485 ±0.005mm  
 Insulation : HDPE  
 Size of Insulation : Ø0.87 ±0.05mm  
 Core colour : WH-BU /BU WH-OG/OG  
                   WH-GN /GN WH-BN /BN  
 Jacket : LSOH  
 Jacket Colour : Orange  
 Jacket Size : Ø4.8 ±0.2mm  
 Jacket Wall Thickness : ≈0.5mm

### Electric data at 20°C

Conductor Resistance : ≤110Ω/KM  
 Insulation Resistance : ≥5000MΩ\*KM  
 Testing Voltage : wire/wire 50Hz 1min=1.5kV  
 Other Electric data:

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	Ω	≥dB/ 100M	≤dB/ 100M	≥dB/100M	≥dB/100M	≥dB/100M	≥dB/100M	≤ns/100M	
1	100±15	20	2.04	65.3	63.8	62.3	60.8	≤45	66%
4		23	4.1	56.3	51.7	53.3	48.7		
10		25	6.5	50.3	43.8	47.3	40.8		
16		25	8.2	47.3	39.7	44.3	36.7		
20		25	9.3	44.5	37.7	42.8	34.7		
31.25		23.6	11.6	42.9	33.9	39.9	30.9		
62.5		21.5	17	38.4	27.8	35.4	24.8		
100		20.1	22	35.3	23.8	32.3	20.8		

Temperature Range : -10°C to +60°C

## Part Number Table

Description	Part Number
Networking Cable, Unscreened, Cat5e, 23 AWG, Orange, 305m	CAT5ELSORG305M

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