



**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 : Yellow  
 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, Yellow, 305m	CAT5ELSYEL305M

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of Premier Farnell Limited 2019.

[Newark.com/exclusive-brands](http://Newark.com/exclusive-brands)  
[Farnell.com/exclusive-brands](http://Farnell.com/exclusive-brands)  
[Element14.com/exclusive-brands](http://Element14.com/exclusive-brands)