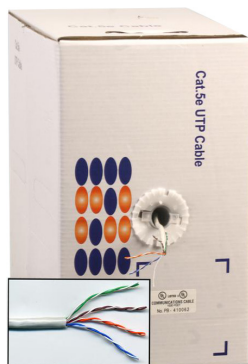


Cat5e Networking Cable

pro-POWER

RoHS
Compliant

Specifications



Designed of cable

Inner Conductor	: Solid bare copper $\varnothing 0.5 \pm 0.01\text{mm}$
Insulation	: HDPE
Size of Insulation	: $\varnothing 0.9 \pm 0.05\text{mm}$
Core Colour	: WH-BU /BU WH-OG/OG WH-GN /GN WH-BN /BN
Jacket	: PVC
Jacket Colour	: Light Grey RAL7035
Jacket Size	: $\varnothing 5.2 \pm 0.2\text{mm}$
Wall Thickness	: $\approx 0.5\text{mm}$
Jacket Printing	: UL CM UTP CAT5E 4/24AWG ETL Verified to TIA/EIA 568-B meter marking

Electric data at 20°C

Conductor Resistance	: $\leq 95.8\Omega/\text{KM}$
Insulation Resistance	: $\geq 5000\text{M}\Omega \cdot \text{KM}$
Testing Voltage	: wire/wire 50Hz 1min=1.5KV
Temperature Range	: -10°C to $+60^\circ\text{C}$

Electric data

Frequency	Impedance	RL	ATT	NEXT	ELFEXT	PSNEXT	PSELFEXT	SKW	NVP
Mhz	Ω	$\geq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{dB}/100\text{M}$	$\leq \text{ns}/100\text{M}$	
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		

Part Number Table

Description	Part Number
Networking Cable, Unscreened, Cat5e, 305m	CAT5EULVER

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
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

pro-POWER