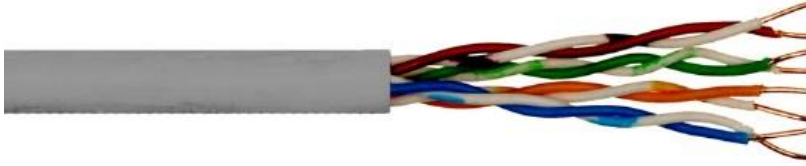




THE INDUSTRY'S MOST TRUSTED CABLE BRAND

## Category 5e UTP PVC Grey



### Construction

Material	Solid Bare Copper
Conductor Dia. (mm)	24 AWG 0.48 ±0.01mm
Insulation	HDPE
External Dia.	5.1±0.8 mm
Material	PVC
Colour	Grey RAL 7004
Rip Cord	Yes

### Core Colours

Blue/White/Blue, Orange/White/Orange, Green/White/Green, Brown/White/Brown

### Electrical Characteristics

Impedance(Ω) : (1-100MHz)	100±15Ω
DC Loop Resistance	<19.0Ω/100m
Resistance Unbalance	<2%
Capacitance Unbalance To Earth	<1600pF/km
Nominal Velocity Of Propagation	67%
Propagation Delay (Nominal)	<535ns/100m
Conductor/Conductor	1000V
Insulation Resistance (500V D.C)	<5000MΩ.km
Coupling Attenuation	>40dB

### Mechanical Characteristics

Operation	-20°C to +60°C
Installation	0. °C to + 50°C
Storage	-20°C to 70°C
Installation	8 X Cable Diameter
Installed	4 X Cable Diameter
During Installation.	100N

### Test Standard

ISO/IEC 11801 2ND Edition TIA/EIA 568-B.2 EN 50173 IEC 61156-5 EN 50288-3-1

### Technical Performance (100m)

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)
1	20.0	2.1	65.3	63.2
4	23.1	4.0	56.3	52.3
10	24.5	6.3	50.3	44.0
16	25.0	8.0	47.3	39.3
20	25.0	9.0	45.8	46.8
31.25	36.6	11.4	42.9	31.5
62.5	21.5	16.5	38.4	21.9
100	20.1	21.3	35.3	14.0

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	62.3	63.8	60.8
4	51.8	51.8	48.8
10	43.8	43.8	40.8
16	39.7	39.7	36.7
20	37.8	37.8	34.8
31.25	33.9	33.9	30.9
62.5	27.9	27.9	24.9
100	23.8	23.8	20.8

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