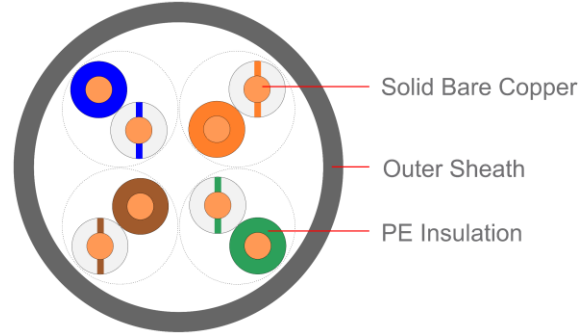


WIREspeed Cable Solid U/UTP CAT5e

The WIREspeed CAT5e U/UTP Solid Data Cable has been designed to provide exceptional performance requirements and is the best choice for the most advanced networks. The cable is constructed of 4 pairs and a PVC outer sheath.

Features

- Tested up to 100 Mhz
- Standards
 - ISO 11801
 - EIA/TIA 568-C.2
 - EN 50173
- EC Verified



Application

- Voice - Analog, ISDN & VOIP
- Data - Ethernet up to 1Gbits/s
- PoE - Up to Class 4 | 30W | Type 2 (802.3at)

Cable Structure and Parameter

Description	Value
Conductor	Solid Copper 24 AWG 0.511mm
Conductor Insulation	Polyethylene
Twisting	2 Cores per pair Colour coded
Outer Sheath	Polyvinyl Chloride
Fire Behaviour	IEC 60332-1
Cable Diameter	5.2mm ±10%
Weight	17kg/500m reel
Minimum Bending Radius	8 x OD
Maximum Permanent Link Distance	90m
Operating Temperature	-20°C to + 70°C

Electrical Characteristic @ 20°C

Description	Value
Electrical Resistance of Conductors	93.8 Ω/km Maximum
Mutual Capacitance	56 pF/m Maximum
Delay Skew	45 ns/100m Maximum
Resistance Unbalance	2% Maximum
Characteristic Impedance	100 Ω ± 15% (1.0Mhz – 100Mhz)
Nominal Velocity Propagation	69%

Transmission Performance @ 20°C

Frequency (Mhz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	PS ACR-F (dB)
1	2.1	65.3	62.3	60.8
4	4.3	56.3	53.3	48.7
10	6.6	50.3	47.3	40.8
16	8.2	47.3	44.3	36.7
20	9.2	45.8	42.8	34.7
31.25	11.8	42.9	39.9	30.9
62.5	17.1	38.4	35.4	24.8
100	22.0	35.3	32.3	20.8

Ordering Information

Product Code	Description
MEGAUSD5EC	WIREspeed Cable U/UTP CAT5e Solid Grey
MEGAUSD5ECB	WIREspeed Cable U/UTP CAT5e Solid Blue
MEGAUSD5ECG	WIREspeed Cable U/UTP CAT5e Solid Green
MEGAUSD5ECY	WIREspeed Cable U/UTP CAT5e Solid Yellow
MEGAUSD5ECZ	WIREspeed Cable U/UTP CAT5e Solid Black

V 2021/10