

Local Area Network Cable

Non-Plenum Unshielded Twisted Pairs (UTP) Category 5E

- ❑ **100Ω Pair Data Cable**
- ❑ **Solid bare copper conductors with polyethylene insulation material**
- ❑ **Pairs are twisted with staggered left-hand lays.**
- ❑ **PVC jacket available with nylon ripcord**
- ❑ **Approved by Underwriters Laboratories of USA**
- ❑ **Type CMX , TIA/EIA-568-B.2-1
File No. : E208378**



Temperature rating	-20 C to +75°C.	Jacket Color	Grey
AWG Size	24	Jacket O.D	5.4mm
No. of Pairs	4	Nominal Capacitance	14
Conductor Type	Solid	Capacitance unbalanced	330 pf/100m max @1KHz
Conductor D.C.R	93.8 Ohm/km max	Nominal Impedance	100±15 Ω
DCR unbalanced	5% max	Delay Skew	< 45ns/100m
Insulation Material	Polyethylene	Working Voltage	300V
Insulation O.D	0.92mm	Flame Grade	CMX
Jacket Material	PVC	Reference Standard	UL444, TIA/EIA568B.2-1

Freq. MHz	Attenuation dB/100m	N.E.X.T. dB/100m	PS-NEXT dB/100m	ELFEXT dB/100m	PS-ELFEXT dB/100m	Return Loss dB/100m
0.772	1.8	67.0	64.0	66.0	63.0	19.4
1	2.0	65.3	62.3	63.8	60.8	20.0
4	4.1	56.3	53.3	51.7	48.7	23.0
8	5.8	51.8	48.8	45.7	42.7	24.5
10	6.5	50.3	47.3	43.8	40.8	25.0
16	8.2	47.3	44.3	39.7	36.7	25.0
20	9.3	45.8	42.8	37.7	34.7	25.0
25	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.8	24.8	21.5
100	22.0	35.3	32.3	23.8	20.8	20.1

Application

For high performance networking applications including data, voice and video.

Packaging



Fast feed boxes (305 metres).