

Category 5e UTP solid cable for outdoor installation

ANSI/TIA/EIA 568B.2 (Cat.5e), ISO/IEC 11801 : 2002, EN 50173 : 2002



CONSTRUCTION

Conductor	24 AWG (0,51 mm) solid bare annealed Copper
Insulation	Polyolefin
Pairing	Varying short pair lay-length
Inner sheath	Grey PVC
Over sheath	Black PE

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- 100Base-VG-AnyLan
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)

COLOUR CODE

Pairs	Colour combination
1	white blue blue
2	white orange orange
3	white green green
4	white brown brown

ELECTRICAL AND CONSTRUCTIVE VALUES

DC resistance (max) 0hm/100m(328 ft) @ 20°C	8,90
Mutual capacitance (nominal) nF/100m(328 ft) @ 1kHz	4,59
Nominal velocity of propagation NVP (% speed of light)	70
Characteristic impedance (0hm) Value at	(min-max) 772 kHz 87-117 1.0 - 200 MHz 85-115
Propagation Delay (max) (ns @ 10 MHz)	518
Diameter (mm)	6,6

Freq. MHz	Attenuat. Max. dB/100m	NEXT dB (min)	ACR db/100m (min)	PS- NEXT dB (min)	ELFEXT dB (min)	PS- ELFEXT dB (min)
0,772	1,8	67	65,2	64	66	63
1	2,04	65,33	63,29	62,33	63,78	60,78
4	4,05	56,28	52,23	53,28	51,71	48,71
8	5,77	51,77	46	48,77	45,69	42,69
10	6,47	50,31	43,84	47,31	43,75	40,75
16	8,25	47,25	39	44,25	39,67	36,67
25	10,42	44,35	33,93	41,35	35,79	32,79
31,2	11,71	42,9	31,19	39,9	33,87	30,87
62,5	16,99	38,38	21,39	35,38	27,83	24,83
100	21,97	35,31	13,34	32,31	23,75	20,75
125	24,89	33,85	8,96	30,85	21,8	18,8

ORDERING INFORMATION

Code	Pairs/AWG	Sheath	Packing
900146R	4/24	Black PE	Spools 500 m



MAX. OPERATING
TEMPERATURE 70 °C