

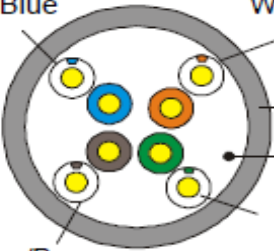
UTP 4pairs cable category5e - PE sheath

White-Blue /Blue

White-Orange/Orange

White- Brown /Brown

White- Green /Green



Sheath

Rip-cord

COLOUR:

BLUE-WHITE/BLUE

ORANGE-WHITE/ORANGE

GREEN-WHITE/GREEN

BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:STRANDED-Copper clad aluminum wire DIAMETER:7/0.15±0.005mm AWG:26/7 2-INSULATION TYPE:PE solid DIAMETER:0.9mm±0.01mm 3-RIP CORD YES 4-OUTER JACKET TYPE:PE COLOUR:BLACK THICKNES:0.5mm EXTERNAL DIAMETER:5.0mm±0.2mm PASS 40m FLUKE TEST	Max.linear tesistance.	Ω /km	≤380
	Mutual capacity(nom.)	pF/m	50
	Unbalance capacity max	pF/km	1600
	Characteristic impedance (1 at 100 MHz)	Ω	100±15
	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
	Marking		
	CAT 5e outdoor network cable, U/UTP, black CCA copper mixture for SOHO applications, AWG 26/7 (stranded), PE		

ELECTRICAL CHARACTERISTICS

Frequency	(MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1				65,3	62,3	63,8	60,8
4				56,3	53,3	51,8	48,8
10				50,3	47,3	43,8	40,8
16				47,2	44,2	39,7	36,7
20				45,8	42,0	37,8	34,8
25				44,3	41,3	35,8	32,8
31,25				42,9	39,9	33,9	30,9
62,5				38,4	35,4	27,9	24,9
100				35,3	32,3	23,8	20,8

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter
PACKING:100m/ROLL



Wentronic GmbH

Pillmannstraße 12

38112 Braunschweig

Prepared by: NW

2019/11/29

Page1of1