

U/UTP CAT5E 4PR PE



Jetlan5e+

STANDARDS

IEC 61156-5
EN 50288-3-1
EN 50173
ISO/IEC 11801
EN 50575
EN 50399
EN 13501-6

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)

REACTION TO FIRE

Class: F_{ca}
(according to EN 13501-6)

COLOUR CODES

Pairs Colours

- 1 White-Blue / Blue
- 2 White-Orange / Orange
- 3 White-Green / Green
- 4 White-Brown / Brown

Outer sheath colour:

- Black [BK] - F_{ca}

PART NUMBER/PACKAGING

F_{ca}: 60080868 / Reels 500m [BK]
F_{ca}: 60080871 / Reels 1000m [BK]

OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C
Operating Temperature -20°C to 70°C
Laying Temperature -5°C to +5°C
(recommendation: between -5°C and +5°C,
prior storage 24h at 20°C)

Note: DATA cables are not suitable for
low impedance applications as: heating,
lighting, etc...

CONSTRUCTION

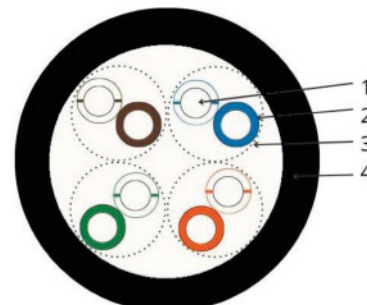
- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Outer sheath: PE material

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc resistance (Ω/km) @20°C: 93,8
Nom. mutual capacity (nF/km) @1kHz: 56
NVP (% of light speed): 65
Mean input impedance (Ω): 100 ± 5 @ 100MHz
Propagation delay (ns@10MHz): max. 518
Delay skew (ns/100m): max. 40
Coupling Att dB (min.):

- @30-100MHz 40
- @100-1000MHz 40-20log(f/100)

Max. pulling tension (N): 80
Min. bending radius: 4x outer diameter



Not at scale

EuroClass	Approx. outer diameter (mm)	Approx. weight (kg/km)
F _{ca}	5,4	29,0

TRANSMISSION CHARACTERISTICS

Freq MHz	IL dB/100m (max.)	NEXT dB (min.)	PS-NEXT dB (min.)	ELFEXT (ACR-F) dB/100m (min.)	PS-ELFEXT (PSACR-F) dB/100m (min.)	ACR (dB/100m) (min.)	PS-ACR dB/100m (min.)	RL dB/100m (min.)
1*	2,1	65,3	62,3	64,0	61,0	63,2	60,2	20,0
4	4,1	56,3	53,3	52,0	49,0	52,2	49,2	23,0
10	6,5	50,3	47,3	44,0	41,0	43,8	40,8	25,0
16	8,3	47,2	44,2	39,9	36,9	39,0	36,0	25,0
20	9,3	45,8	42,8	38,0	35,0	36,5	33,5	25,0
31,25	11,7	42,9	39,9	34,1	31,1	31,1	28,1	23,6
62,5	17,0	38,4	35,4	28,1	25,1	21,4	18,4	21,5
100	22,0	35,3	32,3	24,0	21,0	13,3	10,3	20,1
125	24,9	33,8	30,8	22,1	19,1	9,0	6,0	19,4
200*	32,4	30,8	27,8	18,0	15,0	---	---	18,0
250*	36,9	29,3	26,3	16,0	13,0	---	---	17,3
300*	41,0	28,1	25,1	14,5	11,5	---	---	16,8
500*	55,5	24,8	21,8	10,0	7,0	---	---	15,2
600*	62,0	23,6	20,6	8,4	5,4	---	---	14,7

* For information only.
Note: Insertion loss values for 20°C.