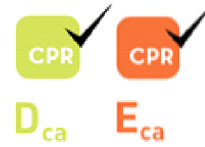


U/UTP CAT6 4PR LSZH

U/UTP CAT6 4PR PVC



STANDARDS

IEC 61156-5
EN 50288-6-1
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)
1.2 Gbps ATM

REACTION TO FIRE

Class: Dca-s2,d2,a1
Eca
(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:

- White [WH] - Dca
- Violet [VT] - Eca
- Grey [GY] - Eca

PART NUMBER/PACKAGING

Dca: 60087917 / Reels 500m [WH]
Dca: 60087918 / Reels 1000m [WH]
Dca: 60087919 / Box 305m [WH]
Dca: 60097858 / Reels 1000m [VT]
Dca: 60097857 / Box 305m [VT]
Eca: 60087914 / Reels 500m [GY]
Eca: 60087915 / Reels 1000m [GY]
Eca: 60087916 / Box 305m [GY]

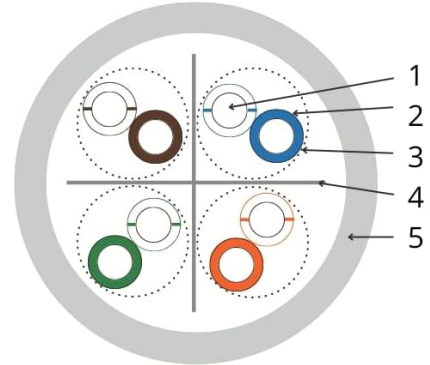
OTHER CHARACTERISTICS

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: 23 AWG, Solid Bare Annealed Copper
- 2 – Insulation: Polyolefin
- 3 – Formation: Varying short pair lay-length (4 pairs)
- 4 – Cross Filler
- 5 – Sheath: LSZH material (for Euroclass Dca cable)
5 – Sheath: PVC material (for Euroclass Eca cable)



(Not at scale)

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

Euroclass	Approx. outer diameter (mm)	Approx. weight (kg/km)
Dca	5,5	36,0
Eca	5,5	36,5



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 (mn.)	RL dB/100m (min.)
1*	2,1	75,3	72,3	68,0	65,0	73,2	70,2	20,0
4	3,8	66,3	63,3	56,0	53,0	62,4	59,4	23,0
10	6,0	60,3	57,3	48,0	45,0	54,3	51,3	25,0
16	7,6	57,2	54,2	43,9	40,9	49,6	46,6	25,0
20	8,5	55,8	52,8	42,0	39,0	47,3	44,3	25,0
31,25	10,7	52,9	49,9	38,1	35,1	42,1	39,1	23,6
62,5	15,5	48,4	45,4	32,1	29,1	32,9	29,9	21,5
100	19,9	45,3	42,3	28,0	25,0	25,4	22,4	20,1
125	22,5	43,8	40,8	26,1	23,1	21,4	18,4	19,4
200	29,1	40,8	37,8	22,0	19,0	11,6	8,6	18,0
250	33,0	39,3	36,3	20,0	17,0	6,3	3,3	17,3
300*	36,6	38,1	35,1	18,5	15,5	1,5	---	16,8
500*	49,2	34,8	31,8	14,0	11,0	---	---	15,2
600*	54,7	33,6	30,6	12,4	9,4	---	---	14,7

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

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