

## U/UTP CAT5E 4PR LSZH

D<sub>ca</sub>

## U/UTP CAT5E 4PR PVC

E<sub>ca</sub>

### STANDARDS

ANSI/TIA-568-C.2  
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: D<sub>ca</sub>-s2,d2,a1  
E<sub>ca</sub>  
(according to EN 13501-6)

### CERTIFICATION



### COLOUR CODES

Pairs	Colours Combinations
1	White-Blue / Blue
2	White-Orange / Orange
3	White-Green / Green
4	White-Brown / Brown

Outer sheath colour (D<sub>ca</sub>): White [BL]  
(E<sub>ca</sub>): Grey [GR]

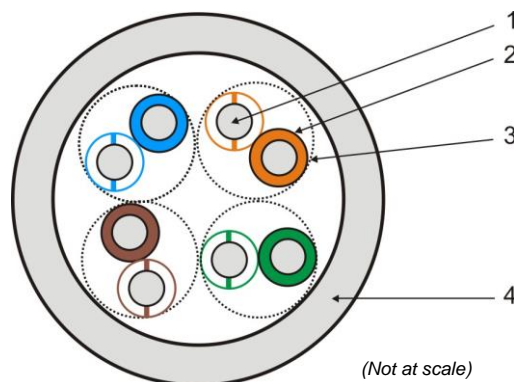
### PART NUMBER / PACKAGING

D<sub>ca</sub>: 570D041BLP / Reels 500m  
D<sub>ca</sub>: 570D042BLP / Reels 1000m  
D<sub>ca</sub>: 570D043BLP / Box 305m  
E<sub>ca</sub>: 570E041GRP / Reels 500m  
E<sub>ca</sub>: 570E042GRP / Reels 1000m  
E<sub>ca</sub>: 570E043GRP / Box 305m

### OTHER CHARACTERISTICS

Storage Temperature -20°C to 70°C  
Operating Temperature -20°C to 70°C

Laying Temperature -5°C to +50°C  
(recommendation: between -5°C and +5°C,  
prior storage 24h at 20°C)



### CONSTRUCTION

- 1 – Conductor: 24 AWG, Solid Bare Annealed Copper.
- 2 – Insulation: Polyolefin.
- 3 – Varying short pair lay-length (4 pairs).
- 4 – Sheath: LSZH material (for Euroclass D<sub>ca</sub> cable).
- 4 – Sheath: PVC material (for Euroclass E<sub>ca</sub> cable).

### ELECTRICAL AND MECHANICAL 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

	Approx. outer diameter (mm)	Approx. weight (kg/km)	Min. bending radius (mm)
Euroclass D <sub>ca</sub>	5.2	32.2	21
Euroclass E <sub>ca</sub>	5.0	30.5	20

### TRANSMISSION CHARACTERISTICS

Freq	ATTN	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR	RL
MHz	dB/100m (max.)	dB (min.)	dB (min.)	dB/100m (min.)	dB/100m (min.)	dB/100m (min.)	dB/100m (min.)	dB/100m (min.)
1	2.0	65.3	62.3	63.8	60.8	63.3	60.3	20.0
4	4.1	56.3	53.3	51.8	48.8	52.2	49.2	23.0
8	5.8	51.8	48.8	45.7	42.7	46.0	43.0	24.5
10	6.5	50.3	47.3	43.8	40.8	43.8	40.8	25.0
16	8.2	47.2	44.2	39.7	36.7	39.0	36.0	25.0
25	10.4	44.3	41.3	35.8	32.8	33.9	30.9	24.3
31.25	11.7	42.9	39.9	33.9	30.9	31.2	28.2	23.6
62.5	17.0	38.4	35.4	27.9	24.9	21.4	18.4	21.5
100	22.0	35.3	32.3	23.8	20.8	13.3	10.3	20.1
125*	24.9	33.8	30.8	21.9	18.9	9.0	6.0	19.4
155*	28.1	32.4	29.4	20.0	17.0	4.4	1.4	18.8
200*	32.4	30.8	27.8	17.8	14.8	---	---	18.0

\* For information only.

Edition: March 2017

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

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