Jetlan6+

U/UTP CAT6 4PR PVC

STANDARDS

TIA – 568 C2
IEC 61156-5
EN 50288-6-1
ISO/IEC 11801
EN 50173
IEC 60332-1-2
EN 60332-1-2

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)

CERTIFICATION

COLOUR CODES

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

Sheath colour: Grey

PART NUMBER / PACKAGING

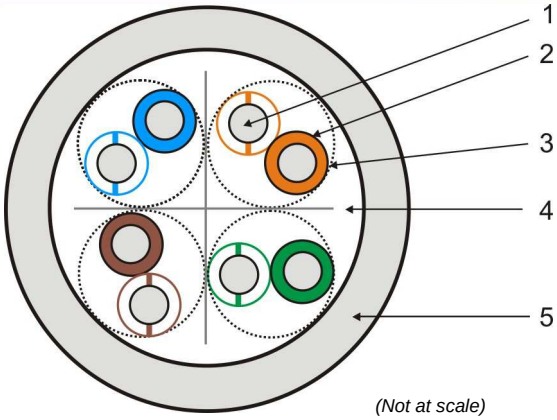
538004CC4P / Box 305m
538104CC4PQ / Spools 500m
538104CC4P / Spools 1000m

OTHER CHARACTERISTICS

Storage Temperature -20ºC to 70ºC
Operating Temperature -20ºC to 70ºC

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

Edition: January 2015



(Not at scale)

CONSTRUCTION

1 – Conductor: 23 AWG, Solid Bare Annealed Copper.
2 – Insulation: Polyolefin.
3 – Varying short pair lay-length (4 pairs).
4 – Cross Filler.
5 – Sheath: PVC material.

ELECTRICAL AND DIMENSIONAL CHARACTERISTICS

Max. dc Resistance (Ω/km) @20ºC:	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)
Approx. outer diameter (mm):	5.4
Approx. weight (kg/km):	36.3
Min. bending radius (mm):	21.6
Calorific Value (MJ/m):	0.52

TRANSMISSION CHARACTERISTICS

Freq	ATTN	NEXT	PS-NEXT	ELFEXT (ACR-F)	PS-ELFEXT (PSACR-F)	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	75.3	72.3	68.0	65.0	73.2	70.2	20.0
4	3.8	66.3	63.3	58.0	55.0	62.5	59.5	23.0
8	5.2	61.8	58.8	51.9	48.9	56.5	53.5	24.5
10	5.9	60.3	57.3	50.0	47.0	54.4	51.4	25.0
16	7.4	57.2	54.2	45.9	42.9	49.9	46.9	25.0
25	9.2	54.3	51.3	42.0	39.0	45.0	42.0	24.3
31.25	10.3	52.9	49.9	40.1	37.1	42.6	39.6	23.6
62.5	14.5	48.4	45.4	34.1	31.1	33.8	30.8	21.5
100	18.4	45.3	42.3	30.0	27.0	26.9	23.9	20.1
155	22.9	42.4	39.4	26.2	23.2	19.5	16.5	18.8
200	26.1	40.8	37.8	24.0	21.0	14.7	11.7	18.0
250	29.2	39.3	36.3	22.0	19.0	10.1	7.1	17.3
300*	32.0	38.1	35.1	20.5	17.5	6.1	3.1	17.3
350*	34.7	37.1	34.1	19.1	16.1	2.5	1.0	17.3

* For information only.

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

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