

CATEGORY 6A F/UTP, 500MHz



CAF6ALD

STANDARD COMPLIANCE

ISO/IEC 11801 CATEGORY 6A:

HORIZONTAL CABLE IEC 61156-5 FOR HORIZONTAL CABLE

RoHS COMPLIANCE FOR THE REQUIREMENT OF EUROPEAN UNION ISSUED DIRECTIVE 2011/65/EU

EN 13501-6, EN 50173-1, EN 50173-2, EN 50288-9-1, EN 50288-4, EN 50575, EN 50399, EN 60332-1, EN 60332-3C, EN 60754(1,2) EN 61034-(1,2) ANSI/TIA-568-6-2

CONSTRUCTION

		CAT. 6A F/UTP SOLID
CONDUCTOR	MATERIAL & SIZE	BARE COPPER, 23AWG
INSULATION	MATERIAL	HDPE
	THICKNESS	AVG: 0.295mm MIN. THICKNESS: 0.29mm
	COLOR CODE	Pair 1: Blue & White/Blue Pair 3: Green & White/Green Pair 2: Orange & White/Orange Pair 4: Brown & White/Brown
JACKET	MATERIAL	LSHF (Low-Smoke Halogen Free) RoHS WHITE:RAL 9016
	THICKNESS	THICKNESS: 0.55mm +/- 0.05mm MIN. THICKNESS: 0.50mm
	OUTER DIAMETER	6 mm +/- 0.4mm
SHIELD	MATERIAL	AL FOIL

ELECTRIC REQUIREMENT

	CAT. 6A F/UTP SOLID
MAX. CONDUCTOR DC RESISTANCE	<93.8 Ω / Km 20 °
RATED VOLTAJE (V)	300V
RATED TEMPERATURE	75 °C
VELOCITY RATIO	65%



Ideal Technology tiene una política de mejora continua. Las especificaciones están sujetas a cambios sin previo aviso.

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ENVIRONMENTAL CONDITION & USAGE

TEMPERATURE RANGE	SHIPPING & STORAGE	-20°C to 75°C
	INSTALLATION	-30° Cto 50° C
	OPERATION	-20°C to 75°C
MINIMUM BENDING RADIUS	≥ 4 TIMES OF OVERALL DIAMETER	
MAXIMUM PULLING TENSION	≤ 110 N	

TRANSMISSION REQUIREMENTS

FREQUENCY (MHz)	MAX. ATTENUATION (dB/100m)	MIN, Pr-Pr NEXT (dB)	MIN. PSNEXT (dB)	MIN. RETURN LOSS (dB)
	SOLID			SOLID
1	2.1	74.3	72.3	20.0
8	5.2	60.8	58.8	24.5
16	7.5	56.2	54.2	25.0
25	9.4	53.3	51.3	24.3
100	19.1	44.3	42.3	20.1
250	31.1	38.3	36.3	17.3
400	40.1	35.3	33.3	15.9
500	45.3	33.8	31.8	15.2

Values show on tables above are for reference purpose only.



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