MC 866

UTP CAT6 FRLSZH

CONSTRUCCION / CONSTRUCCIÓN			
Conductor	Size / Sección	23AWG	
	Construction / Construcción	Conductor Dia.: 0.57±0.003mm	
	Material	CCA	
Insulation / Aislamiento	Material	PE	
	Conductors / Conductores	4 twisted pairs:	Blue/White-Blue / Azul/Blanco-Azul
			Orange/White-Orange / Naranja/Blanco/Naranja
			Green/White-Green / Verde/Blanco-Verde
			Brown/White-Brown / Marron/Blanco-Marron
	Thickness / Espesor	Minimum at any point: 0.21mm / Minima a qualq. Punto 0.21mm	
		Average:0.2125 mm / Media: 0.2125mm	
	Diameter / Diametro	1.0±0.005mm	
Separator	Material	PET Center cross	
Rip Cord	Material	Nylon thread	
Jacket / Cubierta	Material	FRLSZH	
	Colors / Colores	White / Blanco RAL 9010	
	Thickness / Espesor	MIN at any point: 5.8±0.2mm / Minima a qualq. Punto 5.8±0.2mm	
		Average: 0.60mm / Media: 0.60mm	
		Minimum point thickness: 0.50mm	
Cable Marking / Marcaje del Cable	MC-866 Master Cable UTP CAT6 23AWG LSZH ISO/IEC 11801 EIA/TIA 568B RoHS		
Packing pattern / Tipos embalaje	MC 866B	100 m Spool	
	MC 866BOXB	305 m Box	

APPLICATION / APLICACIÓN
Primary(Campus), Secondary(Riser), Tertiary(Horizontal)
IEEE802.3: 10 Base-T ; 100 Base-T ; 1000 Base-t ;
IEEE802.5 16MB ; RDSI/ISDN; 100 Mbps TPDDI; 155 Mbps ATM

STANDARD / NORMAS	
TIA/EIA 568.B	IEC/ISO11801
EN50173-1	EN50288-6-1
IEC 60332-1-2 (Fire Retardant) || IEC 61034-2 (Low Smoke) || IEC 60754-1 / 60754-2 (Zero Halogen)	

MECHANICAL PROPERTIES / PROPIEDADES MECÁNICAS	
MINIMUM BENDING RADIUS	Installation : 8×O.D.
	Installed : 4×O.D.
TEMPERATURE RANGE	During operation : -55℃ -- +60℃
	During installation : -15℃ -- +50℃
MAX TENSILE LOAD	During operation : --
	During installation : 110N

ELECTRICAL PROPERTIES / CARACTERÍSTICAS ELÉCTRICAS	
Resistance unbalance	≤ 2%
Insulation resistance	≥110 MΩ/km
Capacitance	230pF/m
Capacitance unbalance	≤330 pF/100m
Characteristic impedance	1-100Mhz: (100±15) Ω
Nominal velocity of propagation	≥Approximate 62%
Propagation delay	≤537 ns/100m @ 100mhz
Delay skew	Nominal 45 ns/100m, 1-100 Mhz
Operating voltage	Max. 49V
Test voltage(DC, 1 min)	1000v

Max. Distance: 200m

Nominal transmission Characteristics

F (Mhz)	Att (db/100m)	Dop (ns/100m)	Vop (%C)	Skw (ns/100m)	Rl (db)	Next (db@100m)	PsNext (db@100m)	Ps ElFext (db@100m)
0.772	≤ 2.20	≤ 574.97	≥57.96	≤45	≥19.5	≥75.98	≥73.98	≥67.04
1	≤2.80	≤570	≥58.5	≤45	≥20	≥74.3	≥72.3	≥64.8
4	≤4.9	≤552	≥60.44	≤45	≥23.1	≥65.26	≥63.26	≥52.75
8	≤6.5	≤546.72	≥61.01	≤45	≥24.6	≥60.75	≥58.75	≥46.73
10	≤7.10	≤545.38	≥61.15	≤45	≥25	≥59.3	≥57.3	≥44.79
16	≤8.70	≤543	≥61.41	≤45	≥25	≥56.23	≥54.23	≥40.71
20	≤9.64	≤542.04	≥61.51	≤45	≥25	≥54.78	≥52.78	≥38.77
25	≤10.90	≤541.2	≥61.61	≤45	≥24.4	≥53.33	≥51.33	≥36.84
31.25	≤12	≤540.43	≥61.69	≤45	≥23.7	≥51.87	≥49.87	≥34.9
50	≤15.70	≤539.09	≥61.83	≤45	≥22.3	≥48.81	≥46.81	≥30.82
62.25	≤16.90	≤538.55	≥61.89	≤45	≥21.6	≥47.36	≥45.36	≥28.88
100	≤22.10	≤537.6	≥62	≤45	≥20.1	≥44.3	≥42.39	≥24.79
125	≤25.20	≤537.21	≥62.05	≤45	≥19.5	≥42.84	≥40.84	≥22.86
200	≤31	≤536.54	≥62.12	≤45	≥18	≥39.78	≥37.78	≥18.77
250	≤35.8	≤536.27	≥62.15	≤45	≥17.4	≥38.33	≥36.33	≥16.84

Master Cable

COPIA NO CONTROLADA