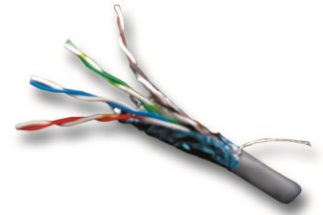
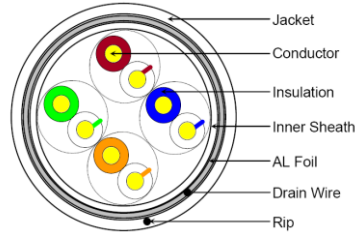


SPECIFICATION

FTP CAT 5E
24 AWG
4 Pair Solid
Part No: 301-10F08E-0000



DESCRIPTION	
Rating Temp :	75°C
Flame Test :	CM
Application :	Horizontal Wiring
Standard :	ISO 11801, TIA/EIA 568B.2, UL444

CONSTRUCTION & DIMENSION

Conductor :	Material : Solid Plain Copper AWG : 23 AWG Conductor Dia; 0.576 ± 0.005 mm
Insulation :	Material : HD PE Min. Ave. Thickness : 0.28 mm Min. Thickness at any point : 0.217mm Diameter : 1.030 ± 0.05 mm
Identification :	1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Orange 4. Brown x White / Brown
Inner Sheath :	PVC
Drain Wire :	Tinned Copper
Shield :	Aluminium Foil
Jacket :	Material : PVC Min. Ave. Thickness : 0.55 mm Diameter : 7.8 ± 0.3 mm

ELECTRICAL & PHYSICAL PROPERTIES									
FREQ.	ATTN.	NEXT	ACR	RL	PS NEXT	PS ACR	ELFEXT	PS ELFEXT	
MHz	dB/100m	dB	dB/100m	dB	dB	dB/100m	dB	dB	dB
1.0	2.0	67.0	65.0	20.0	65.0	63.0	69.0	66.0	
4.0	4.0	58.0	54.0	23.0	56.0	52.0	56.8	53.8	
10.0	6.3	52.0	45.7	25.0	50.0	43.7	49.0	46.0	
16.0	8.0	48.9	40.9	25.0	46.9	38.9	44.8	41.8	
20.0	9.0	47.5	38.5	25.0	45.5	36.5	42.5	39.5	
31.25	11.4	44.6	33.2	23.6	42.6	31.6	39.0	36.0	
62.5	16.5	40.1	23.6	21.5	38.1	21.6	32.9	29.9	
100.0	21.3	37.0	15.7	20.1	35.0	13.7	29.0	26.0	
200.0	32.42	30.78	-	18.92	27.78	-	17.87	14.78	

Characteristic Impedance (1 – 500Mhz) :	100 ± 15 Ω
Mean Characteristic Impedance @ 100 Mhz :	
DC Resistance, max:	9.38 Ω/100m
Resistance Unbalance, max :	2 %
DC Loop Resistance :	170 Ω/Km
Capacitance Unbalance (Pair-to-Ground), max :	330 pF/100m
Mutual Capacitance, nominal :	47 pF/m
Propagation Delay, max :	80 ns/100m
Delay Skew, max. :	20 ns/100m
Nominal Velocity of Propagation (NVP) :	69 %
Max. Tensile Load (Installation) :	100 N
Temperature (Opertaion) :	-20°C to +60°C
Temperature (Installation) :	0°C to +50°C