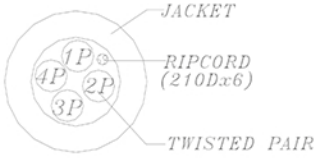



Product Specification



<p>RED CAT 5e</p>	<p>Cross Section</p>	<p>Packaging</p>
<p>Spec No: S-015 Date: 6/01/2016</p>		<p> Box 1000 Ft.</p> <p>Colors</p> 

Description

RED Atom Cat 5e, 24awg, 4 Pair UTP, for your Entry Level Data and Voice Applications.

Description	
Rated Voltage (V)	300
Rated Temperature (°C)	75
Product Standard Certification	c(ETL) CM
Flame test	CM & FT4

Application
Telephone and other communication circuits such as voice, data and audio for on-premise customer systems.

Reference Standard:
UL 444

Performance

Electrical Characteristics (20°C)	
Voltage	300 Volts RMS
Temperature	-20°C to 75°C
Dielectric Strength	AC-500V/1 Minute

Mechanical Characteristics	
Test Object	Jacket
Test Material	PVC
Before Tensile Strength (MPa.)	≥13.8

Conductor Resistance: Max 9.38 ohms/100m at 20 °C;
D-C Resistance Unbalance: Max. 5%;
Pair-to-Ground Capacitance Unbalance: Max. 330 pF/100m;
Characteristic Impedance (1-100MHz): 100 +/- 15 ohms;
Propagation Delay Skew (1-100MHz): Max. 45ns/100m;
Mutual Capacitance: 46-56 pF/M
 Test Report: Pair 1 = 49.9 pF/M; Pair 2 = 49.6 pF/M; Pair 3 = 51.6 pF/M; Pair 4 = 49.1 pF/M

*Sequential footmarks applied every four feet in conjunction with the print legend.
 "XXX/XXX" Stands for Length. eg: 000/1000; 004/0996; 008/0992...*

Construction

Conductor	Solid Bare Copper
Component: 4 Twisted Pair	8C
AWG	24
Insulation	HDPE
Nom. Thickness (mm)	0.19
Insulation Dia. (±0.02mm)	0.86

Ripcord	150D Nylon Thread
Jacket	PVC
Nom. Thickness (mm)	0.50
Outer Dia. (±0.20mm)	5.2

Insulation/Conductor Colors	
Component	P1: Blue & White/Blue P2: Orange & White/Orange P3: Green & White/Green P4: Brown & White/Brown

Jacket Colors	
White	- Pantone White
Gray	- Pantone 430U
Blue	- Pantone 300U
Yellow	- PTM Yellow U
Black	- Pantone Black
Green	- Pantone 334U

Compliance

		CM	FT4
--	--	-----------	------------

Jacket Marking (Black)

RED ATOM CATEGORY 5E ETL LISTED 5002121 (ETL) C(ETL) CM FT4 75C 24AWG 4PR UTP APP: DATA PHONE ROOM: ENT KIT NK FAM LR DR POWD OFF POO PAT MBR MBA BR1 BR2 BR3 BR4 BR5 GAR GYM OTHER WALL: N S E W JACK: 1 2 3 4 5 6 USE: KPAD TPAD LAN TEL "ROHS" XXXX / XXXX FT