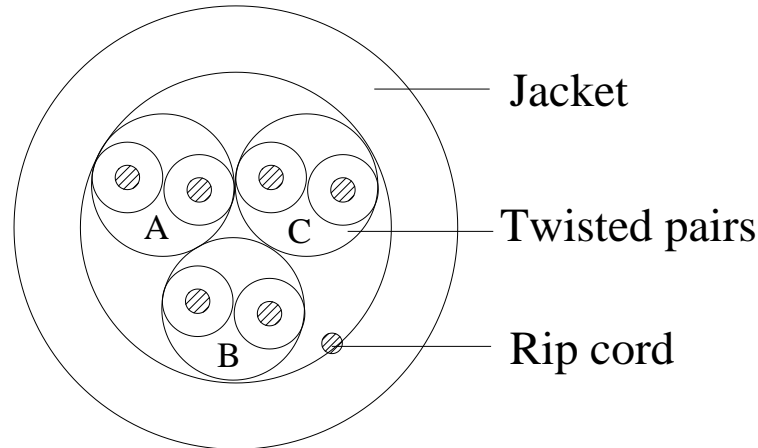




PRODUCT SPECIFICATIONS

PART#: CAT3-3PR-GY		DESCRIPTION: CAT3 3 PAIR UTP, 24 AWG, PVC JKT- GRAY- 1000 FT BOX			
Edition	A	Established Date	2013/07/04	Revised Date	
Approval	Richard	Checked	John	Finish	Leo



Standard: UL 444 、 ANSI/TIA-568-C.2 & ISO/IEC 11801

Application: Lan Cable

Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	24AWG X 4P
	Construction	1/0.475±0.004mm
Insulation	Material	HDPE
	Min. Thickness	0.186mm
	AVG. Thickness	0.203mm
	Diameter	0.88±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green
Jacket	Material	PVC
	AVG. Thickness	0.50mm
	Min. Thickness	0.45mm
	Diameter	4.50±0.10mm
	Rip Cord	Nylon
	Colors	Per request

Electrical & Physical Characters

rating		75°C 30V					
Conductor Resistance		Max 105ohm/km at 20°C					
Dielectric Strength		Min AC1.5KV					
Spark Test		5.0KV					
AC Leakage Current Through overall Jacket		AC 1500V $\leq 10mA$					
Insulation	Unaged	Tensile Strength	16.5 Mpa				
		Elongation	500%				
	Aged	Tensile Strength	14.2 Mpa(100°C 168h)				
		Elongation	250%(100°C 168h)				
Jacket	Unaged	Tensile Strength	13.8 Mpa				
		Elongation	150%				
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)				
		Elongation	80%(100°C 168h)				
Cold Bend Test		-20°C 4hours No Cracking					
DC Resistance Unbalance		Max 5%					
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km					
Characteristic Impedance		1~16MHZ 100±15OHM					
Propagation Delay		16MHZ Max 543ns/100m					
Delay Skew		1~16MHZ Max 45ns/100m					
Marking:							
STRUCTURED CABLE PRODUCTS --- P/N CAT3-3PR --- CAT3 24 AWG 3 PAIR UTP VERIFIED TO ANSI/TIA-568-C.2 CMR FT4 75C -- (UL) OR C(UL) E198134 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXXFEET							
Packaging:							
Approx. Weight(kg)		Approx. Dimension(mm)		package		Packages per Pallet	
7.75		335X260X350		1000 ft/Box		36	

Performance

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		SRL Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP
1	2.6	2.2	41.3	66.2	12.0	16.0
4	5.6	4.5	32.3	55.7	12.0	18.0
8	8.5	6.8	27.8	41.5	12.0	18.0
10	9.7	7.6	26.3	36.3	12.0	18.0
16	13.1	10.3	23.2	31.9	10.0	15.0