

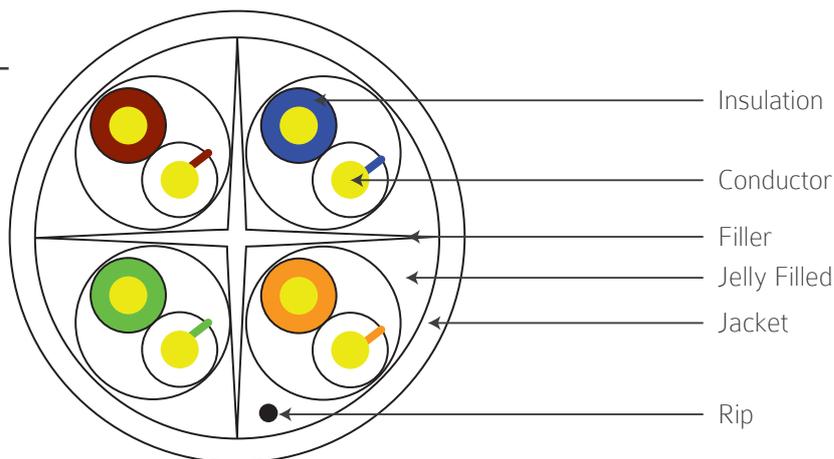
NETWORK CONNECTIVITY

Category Cable

UTP 6023J Cat6 JELLY FILLED

UTP 6023J Cat6 23AWG JELLY FILLED

Cross Section



Description

Rated temperature	75°C
Product Standard Certification	UL file E222804
Flammability Test	

Application

Horizontal Wiring in LAN

Reference Standard

YD/T1019-2001, UL Sub. 444, EIA/TIA568 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. ($\pm 0.0005\text{mm}$)	0.570
Insulation	PE
Filter	PE
Jelly Filled	Yes
Jacket	PE
Thickness ($\pm 0.05\text{mm}$)	0.55
Outer Dia. ($\pm 0.3\text{mm}$)	6.3
Rip Cord	Per Request

1.0 ~ 250.0MHz Mpedance (ohms)	100 \pm 15
1.0 ~ 250.0MHz Delay Skew (ns/100m)	\leq 45
Pair-to-Ground Capacitance Unbalance (pF/100m)	\leq 300
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	\leq 5

Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
- Before Tensile Strength (Mpa)	\geq 13.8
- Aging Elongation (%)	\geq 100
Aging Condition (°Cxhrs)	100x240
- After Tensile Strength (Mpa)	\geq 85% of unaged
- Aging Elongation (%)	\geq 50% of unaged
Cold Bend (-20 \pm 2 °Cx4hrs)	No crack

Performance

Electrical Characteristics:

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1.00	20.00	1.84	74.30	
4.00	23.01	3.69	65.27	
8.00	24.52	5.26	60.75	
10.00	25.00	5.89	59.30	
16.00	25.00	7.51	56.24	
20.00	25.00	8.43	54.78	
25.00	24.32	9.47	53.33	
31.25	23.64	10.64	51.88	
62.25	21.54	15.36	47.36	
100.00	20.11	19.78	44.30	
200.00	18.00	28.97	39.78	
250.00	17.32	32.84	38.33	

Frequency (MHz)	PSNEXT (dB)	ELNEXT (dB/100m)	PSELFEXT (dB)	DELAY (dB)
1.00	72.30	68.00	65.00	570.00
4.00	63.27	55.96	52.96	552.00
8.00	58.75	49.94	46.94	546.73
10.00	57.30	48.00	45.00	545.38
16.00	54.24	43.92	40.92	543.00
20.00	52.78	41.98	38.98	542.05
25.00	51.33	40.04	37.04	541.20
31.25	49.88	38.10	35.10	540.44
62.25	45.36	32.08	29.08	538.55
100.00	42.30	28.00	25.00	537.60
200.00	37.78	21.98	18.98	536.50
250.00	36.33	20.04	17.04	536.28

AUTHORIZED DEALER:

Design and specifications subject to change without notice.
Optic Digital Structured Cabling Solution