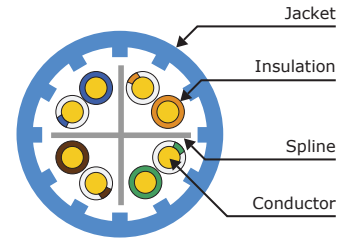


**CAT 6A**  
**750**

**UTP AUGMENTED CAT.6A 750MHz 4Pair/23AWG**

**PRODUCT FEATURES**

- Great performance with headroom of up to 6db
- LAN supports IEEE 802.3an 10G Base-T Standard, and TIA/EIA 568-B.2-10 DRAFT.7
- All materials comply with ROHS Standard
- Test Range from 1 to 750 MHz



**CABLE DATA**

Product No.	Diameter (mm/inch)	Weight (lb/kg)	Flame Retardant Rating	Packaging Put-Up
UTP6A234P-CMR-X	8.0 / 0.31	40.1 / 18.2	CMR	1,000ft Reel
UTP6A234P-CMP-X	8.0 / 0.31	47.3 / 21.5	CMP	1,000ft Reel

**PRODUCT DESCRIPTION**

- Jacket: Low Smoke, flame-retardant PVC
- Insulation:PE/FEP
- Spline:PE/FEP
- Conductor: 23 AWG Solid bare copper
- Cable assembly: 4 pairs cabled together with a spline core separator

**PRODUCT ELECTRICAL CHARACTERISTICS**

- Features: Impedence 100 +/- 15 ohms (10-550MHz)
- DC Resistance, unbalance of a pair: 3% MAX
- Capaditance unbalance (pair to ground): 330pF/100m MAX
- Propagation delay skew: 25nS/100M

**REFERENCE ELECTRICAL CHARACTERISTICS**

FREQ	INS LOSS	RETURN LOSS	NEXT	PS NEXT	ACRF	PS ACRF	PROP DELAY	ALIEN CROSSTALK (PS ANEXT)	ALIEN CROSSTALK (PS AACRF)
(MHz)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)
	max	min	min	min	min	min	max	min	min
1.0	2.0	20.0	78.3	76.3	71.8	68.8	570.0	67.0	67.0
4.0	3.7	24.2	69.3	67.3	59.8	56.8	552.0	67.0	66.2
8.0	5.2	26.3	64.8	62.8	53.7	50.7	546.7	67.0	60.1
10.0	5.9	27.0	63.3	61.3	51.8	48.8	545.4	67.0	58.2
16.0	7.4	27.0	60.2	58.2	47.7	44.7	543.0	67.0	54.1
20.0	8.3	27.0	58.8	56.8	45.8	42.8	542.0	67.0	52.2
25.0	9.3	26.3	57.3	55.3	43.8	40.8	541.2	67.0	50.2
31.25	10.4	25.6	55.9	53.9	41.9	38.9	540.4	67.0	48.3
62.5	14.9	23.5	51.4	49.4	35.9	32.9	538.6	65.6	42.3
100.0	19.0	22.1	48.3	46.3	31.8	28.8	537.6	62.5	38.2
155.0	24.0	20.8	45.4	43.4	28.0	25.0	536.9	59.6	34.4
200.0	27.5	20.0	43.8	41.8	25.8	22.8	536.5	58.0	32.2
250.0	31.0	19.3	42.3	40.3	23.8	20.8	536.3	56.5	30.2
300.0	34.2	18.8	41.1	39.3	22.3	19.3	536.1	55.3	28.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	54.3	27.3
400.0	40.0	17.9	39.3	37.3	19.8	16.8	535.8	53.5	26.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	52.0	24.2
550.0	47.7	17.2	37.2	35.2	-	-	-	-	-
600.0	50.1	16.9	36.6	34.6	-	-	-	-	-
650.0	52.4	16.7	36.1	34.1	-	-	-	-	-
750.0	56.8	16	35.2	33.2	-	-	-	-	-

© 2011 MOVIDIA COMPONENTS INC • All Rights Reserved.  
The information provided in this Product Disclosure is correct to the best of Movidia's knowledge. Movidia makes every reasonable effort to ensure the accuracy at the time of this publication. Information and specifications described herein are subject to error or omission and to change without notice. Movidia provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

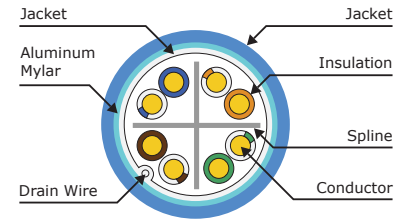


**CAT 6A**  
**650F**

**FTP AUGMENTED CAT.6A 650MHz 4Pair/ 23AWG**

**PRODUCT FEATURES**

- Supports IEEE 802.3an 10G Base-T Standard, and TIA/EIA 568-B.2-10 Draft.9
- All materials comply with ROHS Standard
- Test range from 1 to 650 MHz
- Smaller OD compared to other UTP models



**CABLE DATA**

Product No.	Diameter (mm/inch)	Weight (lb/kg)	Flame Retardant Rating	Packaging Put-Up
FTP6A234P-CMR-X	7.6 / 0.30	40.3 / 18.3	CMR	1,000ft Reel
FTP6A234P-CMP-X	7.6 / 0.30	45.6 / 20.7	CMP	1,000ft Reel

**PRODUCT DESCRIPTION**

- Jacket: Low-smoke, flame-retardant PVC
- Insulation: PE/FEP
- Spline: PE/FEP
- Conductor: 23 AWG Solid bare copper
- Cable assembly: 4 pairs cabled together with a spline core separator

**PRODUCT ELECTRICAL CHARACTERISTICS**

- Features impedance 100 +/-15 ohms (10-550MHz)
- DC Resistance, unbalanced of a pair: 3% MAX
- Capacitance unbalance(pair to ground): 330pF/100m MAX
- Propagation delay skew: 25nS/100M

**REFERENCE ELECTRICAL CHARACTERISTICS**

FREQ	INS LOSS	RETURN LOSS	NEXT	PS NEXT	ACRF	PS ACRF	PROP DELAY	ALIEN CROSSTALK (PS ANEXT)	ALIEN CROSSTALK (PS AACRF)
(MHz)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)	(db/100m)
	max	min	min	min	min	min	max	min	min
1.0	2.0	20.0	74.3	72.3	71.8	68.8	570.0	71.0	71.0
4.0	3.7	24.2	65.3	63.3	59.8	56.8	552.0	71.0	70.2
8.0	5.2	26.3	59.8	58.8	53.7	50.7	546.7	71.0	64.1
10.0	5.9	27.0	59.3	57.3	51.8	48.8	545.4	71.0	62.2
16.0	7.4	27.0	56.2	54.2	47.7	44.7	543.0	71.0	58.1
20.0	8.3	27.0	54.8	52.8	45.8	42.8	542.0	71.0	56.2
25.0	9.3	26.3	53.3	51.3	43.8	40.8	541.2	71.0	54.2
31.25	10.4	25.6	51.9	49.9	41.9	38.9	540.4	71.0	52.3
62.5	14.9	23.5	47.4	45.4	35.9	32.9	538.6	69.6	46.3
100.0	19.0	22.1	44.3	42.3	31.8	28.8	537.6	66.5	42.2
155.0	24.0	20.8	41.4	39.4	28.0	25.0	536.9	63.6	38.4
200.0	27.5	20.0	39.8	37.8	25.8	22.8	536.5	62.0	36.2
250.0	31.0	19.3	38.3	36.3	23.8	20.8	536.3	60.5	34.2
300.0	34.2	18.8	37.1	35.3	22.3	19.3	536.1	59.3	32.7
350.0	37.2	18.3	36.1	34.1	20.9	17.9	535.9	58.3	31.3
400.0	40.0	17.9	35.3	33.3	19.8	16.8	535.8	57.5	30.2
500.0	45.3	17.5	33.8	31.8	17.8	14.8	535.6	56.0	28.2
550.0	47.7	17.2	33.2	31.2	-	-	-	-	-
600.0	50.1	16.9	32.6	30.6	-	-	-	-	-
650.0	52.4	16.7	32.1	30.1	-	-	-	-	-

© 2011 MOVIDIA COMPONENTS INC • All Rights Reserved.

The information provided in this Product Disclosure is correct to the best of Movidia's knowledge. Movidia makes every reasonable effort to ensure the accuracy at the time of this publication. Information and specifications described herein are subject to error or omission and to change without notice. Movidia provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

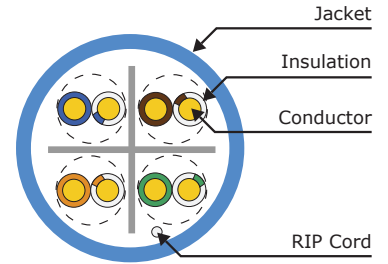


**CAT 6E**

**1000X**

**UTP CAT.6E 600MHz 4Pair/ 23AWG**

Enhanced high performance ANSI/TIA/EIA 568-B.2.1 CAT 6 compliant Category 6 ENHANCED UTP cables for mission critical LAN applications or future proofing your Structured Cabling Systems. These cables are characterized to 600 MHz, Powersum NEXT tested and are manufactured at our cUL and BSI Certified ISO-9001 state-of-the-art manufacturing and testing facility.



**CABLE DATA**

Product No.	INSULATION THICKNESS (mm/inch)	DIAMETER (mm/inch)	WEIGHT (lb/kg)	FLAME RETARDANT RATING
UTP6234P-CMRS-X	0.220 / 0.0087	6.1 / 0.240	26.1 / 11.8	CMR
UTP6234P-CMPS-X	0.210 / 0.0083	6.0 / 0.236	29.1 / 13.2	CMP

**PRODUCT ELECTRICAL CHARACTERISTICS**

- Features: Impedence 100 +/- 15 ohms
- Mutual Capacitance, MAX. nf/1000ft 17.1
- DC Resistance, MAX. Ohms/1000ft 28.6
- DC Resistance, unbalanced of a pair:5% MAX
- Capacitance unbalance (pair to ground): 330pF/100m MAX.
- Propagation delay skew: 30nS/100M

FREQUENCY	ATT MAX.	NEXT	ACR	PS. NEXT	PS. ACR	ELFEXT	PS.ELFEXT	RL
(MHz)	(dB/100m)	MIN.(dB)	MIN.(dB)	MIN.(dB)	MIN.(dB)	MIN.(dB/100m)	MIN.(dB/100m)	MIN.(dB)
1	2.0	76.3	74.3	74.3	72.3	67.8	64.8	20.0
31.25	10.7	53.9	43.2	51.9	41.2	37.9	34.9	23.6
62.5	15.4	49.4	34.4	47.1	31.7	31.8	28.8	21.5
100	19.8	46.3	26.5	44.3	24.5	27.8	24.8	20.1
155	25.1	43.5	18.4	41.5	16.4	23.9	20.9	18.8
200	29.0	41.8	12.8	39.8	10.8	21.7	18.7	18.0
250	32.8	40.3	7.5	38.3	5.5	19.8	16.8	17.3
300	36.4	39.2	2.8	37.2	0.8	18.2	15.2	16.8
400	43.0	37.3	N.A.	35.2	N.A.	15.7	12.7	15.9
550	51.8	37.2	N.A.	33.2	N.A.	12.9	9.9	14.9
600	54.5	36.6	N.A.	32.6	N.A.	12.2	9.2	14.7

**PRODUCT DESCRIPTION**

- 23 AWG BARE SOLID COPPER
- INSULATION: HDPE, FEP
- RIPCORDER: UNDER JACKET
- JACKET: FRPVC

**INDUSTRY STANDARDS**

- cUL LISTED CM, CMR CMP, LSOH
- ETL AND 3P VERIFIED TO ANSI/TIA/ EIA568-B.2.1 CAT 6
- ISO/IEC 11801 class E
- NEMA WC 66
- PrEN 50288-6-1

**APPLICATIONS**

- 10 BASE T (IEEE 802.3)
- 100 BASE T (IEEE 802.3U)
- 100 Vg-any LAN (IEEE 802.12)
- TOKEN RING (IEEE 805.5)
- TP-PMD9ANSI (X3T9.5)
- n100 Mbps CDDI
- ATM 155
- ATM 622 1000 BASE T
- 1000 BASE T (IEEE 802.3-2008)

© 2011 MOVIDIA COMPONENTS INC • All Rights Reserved.

The information provided in this Product Disclosure is correct to the best of Movidia's knowledge. Movidia makes every reasonable effort to ensure the accuracy at the time of this publication. Information and specifications described herein are subject to error or omission and to change without notice. Movidia provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

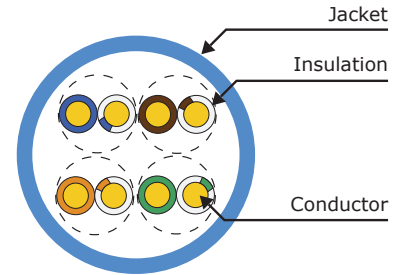


**CAT 5E**

**350**

**UTP CAT.5E 350MHz 4Pair/ 24AWG**

Enhanced high performance ANSI/TIA/EIA 568-B.2 compliant Category 5 ENHANCED UTP cables for mission critical LAN applications or future proofing your Structured Cabling Systems. These cables are characterized to 350MHz, Powersum NEXT tested and are manufactured at our cUL and BSI Certified ISO-9001 state-of-the-art manufacturing and testing facility.



**CABLE DATA**

PRODUCT NO.	INSULATION THICKNESS (mm/inch)	DIAMETER (mm/inch)	WEIGHT (lb/kg)	FLAME RETARDANT RATING
UTP5E244P-CMRS-X	0.192 / 0.0076	4.8 / 0.189	18.2 / 8.3	CMR
UTP5E244P-CMPS-X	0.180 / 0.0071	4.5 / 0.177	19.4 / 8.8	CMP

**PRODUCT ELECTRICAL CHARACTERISTICS (SOLID)**

- Features: Impedence 100 +/- 15 ohms
- Mutual Capacitance, MAX. nf/1000ft 17.1
- DC Resistance, MAX. Ohms/1000ft 28.6
- DC Resistance, unbalance of a pair: 5% MAX
- Capacitance unbalance (pair to ground): 330pF/100m MAX
- Propagation delay skew: 40nS/100M

FREQUENCY	ATT MAX.	NEXT	ACR	PS. NEXT	PS. ACR	ELFEXT	PS.ELFEXT	RL
(MHz)	(dB/100m)	MIN. (dB)	MIN. (dB)	MIN. (dB)	MIN. (dB)	MIN. (dB/100m)	MIN. (dB/100m)	MIN. (dB)
1	2.0	65.3	63.3	62.3	60.3	63.8	60.8	20.0
4	4.1	56.3	52.2	53.3	49.2	51.7	48.7	23.0
8	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16	8.2	47.3	39.1	44.3	36.1	39.7	36.7	25.0
20	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	18.4	27.8	24.8	21.5
100	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1
155	28.1	32.5	3.4	29.5	1.4	20.0	17.0	18.8
200	32.4	30.8	N.A.	27.8	N.A.	17.7	14.7	18.0
240	36.0	29.6	N.A.	26.6	N.A.	16.2	13.2	17.4
300	41.0	28.2	N.A.	25.2	N.A.	14.2	11.2	16.8
350	44.9	27.1	N.A.	24.1	N.A.	12.9	9.9	16.3

**PRODUCT DESCRIPTION**

- 24 AWG BARE SOLID COPPER
- INSULATION: HDPE, FRPE, FEP
- RIPCORD: UNDER JACKET
- JACKET: FRPVC

**APPLICATIONS**

- 10 BASE T (IEEE 802.3)
- 100 BASE T (IEEE 802.3U)
- 1000 BASE T (IEEE 802.3)
- 100 Vg-any LAN (IEEE 802.12)
- TOKEN RING (IEEE 805.5)
- TP-PMD9ANSI (X3T9.5)
- ATM 155
- 100 Mbps CDDI

**INDUSTRY STANDARDS**

- cUL LISTED CM, CMR, CMP
- ETL AND 3P VERIFIED TO ANSI/TIA/ EIA568-B.2 CATEGORY 5 ENHANCED
- ISO/IEC 11801
- NEMA WC 63.1
- PrEN 50288-3-1

© 2011 MOVIDIA COMPONENTS INC • All Rights Reserved. The information provided in this Product Disclosure is correct to the best of Movidia's knowledge. Movidia makes every reasonable effort to ensure the accuracy at the time of this publication. Information and specifications described herein are subject to error or omission and to change without notice. Movidia provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

