

ECO-10GA24

環境配慮製品

ペア - カテゴリ 6A U/UTP LSZH ジャケット

<p>Conductor / 導体 Insulation / 絶縁 Cable Core / ケーブル芯線 Cross Filler / クロスフィルタ PET Tape / PETテープ Special Barrier Tape / スペシャルバリアテープ Jacket / ジャケット</p>	<p>関連資料 Related Documents: No. 8 for Data Twist Cables (Modified Western Electric).pdf</p>
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DESCRIPTION/製品概要

23 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, central spline, overall cabling tape, special barrier tape, Environmental friendly ECO-LSZH jacket.
23 AWG 裸銅導体、ノンプレナム、ポリオレフィン絶縁、ツイストペア、セントラルスプライン、オーバーオールケーブリングテープ、スペシャルバリアテープ、LSZH ジャケット

SUITABLE APPLICATIONS/適応アプリケーション

<p>Suitable Applications/適応アプリケーション</p>	<p>Horizontal and building backbone Cable. Support current and future category 6 and 6A applications: such as 10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, ISDN, ATM as well as PoE application etc. / 水平及び、ビルディングバックボーンケーブル。現行及び、将来のカテゴリ 6A とアプリケーションをサポート。10GBase-T (10 ギガビットイーサネット)、1000Base-T (ギガビットイーサネット)、100 Base-T、10 Base-T、ISDN、ATM 及び PoE を要するアプリケーション等</p>
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CONSTRUCTION & DIMENSIONS/構造及び、寸法

CONDUCTOR/導体

Number of Pairs/対数	4
Total Number of Conductors/導体数	8
AWG	23
Stranding/撚線	Solid/ソリッド
Conductor Material/導体材料	BC - Bare Copper/裸銅

INSULATION/絶縁

Insulation Material/絶縁材料	P0 - Polyolefin/ポリオレフィン
Insulation Nominal Diameter /絶縁直径	1.14mm
Pair Color Code Chart/コードチャート	

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Pair Number/ペア番号	Insulation Color/絶縁の色	
	Wire/ワイヤ 1	Wire/ワイヤ 2
1	Blue/青	White/白
2	Orange/橙	White with Orange Stripe/ 白に橙のストライプ
3	Green/緑	White with Green Stripe/ 白に緑のストライプ
4	Brown/茶	White with Brown Stripe/ 白に茶のストライプ

OVERALL CABLING/オーバーオールケーブリング

Overall Cabling Fillers/オーバーオールケーブルフィルター	Central Spline (Red color) /セントラルスプライン(赤色)
Overall Cabling With Separation Tape/セパレーションテープ	Yes/有り

BARRIER/バリア

Outer Barrier Material/アウターバリアの材質	Special barrier tape/スペシャルバリアテープ
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OUTER JACKET/アウタージャケット

Outer Jacket Material/外被材質	LSZH - Low Smoke Zero Halogen/低煙ゼロハロゲン
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**OVERALL NOMINAL DIAMETER/
オーバーオール仕上外径**

Overall Nominal Diameter/ オーバーオール仕上直径	7.2±0.3 mm
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**MECHANICAL CHARACTERISTICS/
ケーブル特性**

Operating Temperature Range/使用温度範囲	-20° C to +60° C
Storage Temperature Range/保管温度範囲	-20° C To +60° C
Installation Temperature Range / 布置温度範囲	0° C to 50° C
Bulk Cable Weight/ バルクケーブル重量	52 kg/km
Max. Recommended Pulling Tension/ 最大推奨張力	110 N

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Min. Bend Radius (Installation)/ 最小曲げ半径 (固定)	50 mm
Elongation at Break of the Conductors/ 破断時の伸び率：導体	10%
Minimum Elongation at Break of the Insulation/ 破断時の伸び率 (最 小)：絶縁	100%
Minimum Elongation at Break of the Sheath/破断時の伸び率 (最小)：シ ース	100%
APPLICABLE SPECIFICATION AGENCY COMPLIANCE/規格対応と準拠	
APPLICABLE STANDARDS/適用基準	
IEC Specification/ IEC 規格	61156-5 Category/カテゴリ 6A
IEEE Standard/ IEEE スタンド ード	IEEE 802.3bt Type1, Type2, Type3, Type4
TIA Specification/ TIA 規格	TIA 568.2-D
EU RoHS Compliant/指令 (Y/N)	Y/適合
EU RoHS Compliance Date/指令取 得日	Jan 2013/2013年1月
IEC Standards/ I E C スタ ンダード	IEC61156-5(2009) , ISO/IEC 11801(2017)
FLAME TEST/難燃性テスト	
Flame Test/難燃性テスト	IEC 60332-1
Smoke density acc. to IEC 61034-1/2 transmittance/ 煙濃度試験 (IEC 61034-1/2)	> 60%
Amount of halogen acid gas acc. to IEC 60754-1/2 / IEC 60754-1/2 ハ ロゲン酸ガス酸性度測定	pH > 4.3
Amount of halogen acid gas acc. to IEC 60754-1/2 / IEC 60754-1/2 ハ ロゲン酸ガス酸性度測定	< 10 μ S/mm
SUITABILITY/適合性	
Suitability - Indoor (Y/N)/ 敷設環境	Y/屋内
PLENUM/NON-PLENUM プレナム	
Plenum (Y/N) /プレナム	N

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ELECTRICAL CHARACTERISTICS/電气的特性

Maximum operating voltage (for all temperatures cable is intended to be used) /最大動作電圧 (すべての温度で使用できる)	72Vdc
Dielectric strength conductor-conductor and conductor-screen (2 sec.) /耐電圧 導体-導体 および 導体-スクリーン (2秒)	2.5kVdc
Nom. Mutual Capacitance @ 1 KHz/相互容量@ 1 KHz	5.6 nF/100m
Maximum Capacitance Unbalance/ 最大容量不平衡	160 pF/100m
Nominal Velocity of Propagation (for information only) /伝搬速度(参考値)	67%
Maximum Delay Skew /最大遅延スキュー	45 ns/100m
Maximum Conductor DC Resistance @ 20 Deg. C /最大導体 DC 抵抗@ 20°C	95 Ohms/km
Maximum DCR Unbalance within a pair/between pairs@ 20 Deg. C/ペア間の最大 DCR アンバランス@ 20 Deg. C	2 %/4%
Minimum Insulation Resistance/最少絶縁抵抗	5000 MΩ. km

TRANSMISSION CHARACTERISTICS/伝送特性

Horizontal Cable transmission characteristics Table 1: /水平ケーブル伝送特性表 1:

High frequency (at 20°C)/高周波数														
タイプ	1	4	10	16	31.25	62.5	100	125	200	250	300	500	600	650
標準減衰量 (dB/100m)	2.1	3.8	5.9	7.5	10.5	15.0	19.1	21.5	27.6	31.1	34.3	45.3	50.1	52.3
近端漏減衰量 (dB)	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	39.3	38.1	34.8	33.6	33.1
電力和近端漏話減衰量 (dB)	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	36.3	35.1	31.8	30.6	30.1
リターンロス (dB)	20.0	23.0	25.0	25.0	23.6	21.5	20.1	19.4	18.0	17.3	17.3	17.3	17.3	17.3
インピーダンス上限	115	115	115	115	115	115	115	115	115	115	122	122	130	130
インピーダンス下限	85	85	85	85	85	85	85	85	85	85	78	78	70	70

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TCL レベル 1 (dB)	40.0	34.0	30.0	28.0	25.1	22.0	20.0	19.0	17.0	16.0	/	/	/	/
等レベル横方向返還損 (dB)	35.0	23.0	15.0	10.9	/	/	/	/	/	/	/	/	/	/
遠端減衰対漏話比 (dB)	68.0	56.0	48.0	43.9	38.1	32.1	28.0	26.1	22.0	20.0	18.5	14.0	12.4	11.7
電力遠端減衰対漏話比 (dB)	65.0	53.0	45.0	40.9	35.1	29.1	25.0	23.1	19.0	17.0	15.5	11.0	9.4	8.7
PS ANEXT (dB)	67.0	67.0	67.0	67.0	67.0	65.6	62.5	61.0	58.0	56.5	55.3	52.0	50.8	50.3
PS AACR-F(dB)	67.0	66.2	58.2	54.1	48.3	42.3	38.2	36.3	32.2	30.2	28.7	24.2	22.6	21.9
伝搬遅延(ns/100m)	570	552	545	543	540	539	538	537	537	536	536	536	535	535

NOTES

Notes/注釈

-Jacket sequentially marked.

-Limits for 1MHz , 600MHz, 650MHz are for information only

PUT-UPS AND COLORS: /販売数量と色

Item/型番	Description/製品説明	Put-Up (meters.)/巻き (メートル)	Ship Weight (kg)/積込重量	Jacket Color/ジャケット色
ECO-10GA24 2SM305M	4PR 23 AWG CAT 6A U/UTP LSZH	305	18.5	LIGHT BLUE/水
ECO-10GA24 008305M	4PR 23 AWG CAT 6A U/UTP LSZH	305	18.5	GRAY/灰
ECO-10GA24 009305M	4PR 23 AWG CAT 6A U/UTP LSZH	305	18.5	WHITE/白

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