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## Design Specification

### Part Number: 35301

### Category 5e Power Sum Riser

#### Construction:

- \* Conductors: 24 AWG Solid Bare Copper per ASTM B-3
- \* Insulation: Polyethylene
- \* Pair Assembly: Color Coded Conductors twisted to varying lays
- \* Cable Assembly: 25 Pairs cabled around a filler to form round core
- \* Jacket: White Flame Retardant PVC  
Nominal OD = .520"
- \* Ripcord: Ripcord provided under jacket  
(Sequential Footage Marker Provided)

#### Compliance:

- \* ETL Verified ANSI/TIA-568-C.2 (Cat 5e)
- \* UL Subject 444 Communications Cables
- \* UL Listed type CMR
- \* UL 1666 Riser Flame Test
- \* NEC Article 800
- \* c(UL) Type CMR
- \* ICEA S-80-576
- \* CSA C22.2 No. 214
- \* California State Fire Marshal
- \* RoHS Compliant

#### Common Applications:

- |                                      |                        |                     |
|--------------------------------------|------------------------|---------------------|
| * Gigabit Ethernet (1000Base-T)      | * Video to the Desktop | * Multimedia        |
| * High speed Voice/Data applications | * ISDN                 | * 55/155 Mbps ATM   |
| * 100Base-TX                         | * 100Base-T            | * 100Base VG-AnyLan |

### Category 5e Electricals

(per ANSI/TIA 568-C.2)

	Char. Impedance	Return Loss	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT
Freq. (MHz)	(Ohms) (+/-15)	(dB) (Min)	(dB/100m) (Max)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)	(dB/100m) (Min)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.7	48.7
8	100	24.5	5.8	51.8	48.8	45.7	42.7
10	100	25	6.5	50.3	47.3	43.8	40.8
16	100	25	8.2	47.3	44.3	39.7	36.7
20	100	25	9.3	45.8	42.8	37.7	34.7
25	100	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100	21.5	17	38.4	35.4	27.8	24.8
100	100	20.1	22	35.3	32.3	23.8	20.8
Temp. Rating: 75c				Mutual Cap. = 14pf/ft		DC Res. = 9.38Ω/100m	
Nominal Velocity of Propagation (NVP) = 70%				Propagation Delay Skew: 45 ns/100m (max)			

<b>35302</b>	<b>Gray</b>
<b>35303</b>	<b>Blue</b>
<b>35717</b>	<b>Green</b>
<b>35721</b>	<b>Red</b>

(Information Subject to change without notice)

DRAWING	REV.	DATE	DRWN.	APP.	REMARKS	<b>35301</b>
35301	.05	6/21/11	2me	JB	Add new PN's	Page 1 of 1
35301	.04	6/1/11	2me	JB	Revised Format	