

# 4 PAIR 24 AWG CATEGORY 5E UTP DATA/LAN CABLE PLENUM

**57557402**  
DRAWING NO.

**Part No.** 57557402

**CONDUCTOR** 24 awg Solid Bare Copper  
Resistance: 9.38 Ohms/100 m@ 20°C  
Unbalance: 3.0% (individual pair maximum)

**INSULATION** Fluorinated Ethylene Propylene (FEP)  
Colour Code: P1: Blu-Wht/Blu P2: Org-Wht/Org  
P3: Grn-Wht/Grn P4: Brn-Wht/Brn

**JACKET** Blue Low Smoke Flame Retardant Polyvinylchloride (PVC)  
Ripcord Applied Longitudinally Under Jacket

**OVERALL DIAMETER** 0.190" (4.83 mm)

**WEIGHT** 24 lbs/Mft (36 kgs/km)

**BEND RADIUS** 1/4"

**PULLING FORCE** 25 lbs

**TEMPERATURE RATING** -20°C to +75°C

**IMPEDANCE** 100 Ohms (+/- 15 Ohms)

**CAPACITANCE** 15 pF/ft (49.2 pF/m) @ 1 KHz

**DELAY SKEW** 45 ns/100 m

**VELOCITY OF PROPAGATION** 70%

**ATTENUATION**

Frequency (MHz)	dB/100 ft (nominal)	dB/100 m (nominal)	Frequency (MHz)	dB/100 ft (nominal)	dB/100 m (nominal)
1	0.61	2	62.5	4.72	15.5
4	1.16	3.8	100	6.07	19.9
8	1.65	5.4	155	7.71	25.3
10	1.83	6	200	8.9	29.2
16	2.32	7.6	240	10.97	36
20	2.59	8.5	300	12.5	41
25	2.93	9.6	350	13.69	44.9
31.25	3.26	10.7			



**DELCO WIRE AND CABLE LIMITED**  
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REVISION	APPD	DATE

DRWN	CM	03/20/13
CHKD	JH	03/20/13
APPD	165	03/21/13

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Frequency (MHz)	NEXT (dB)	ACR (dB)	PSNEXT (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return Loss (dB)
1	74	72	72.3	70.3	67.8	64.8	20
4	66	62	63.3	59.5	55.7	52.7	23
8	61	55	58.8	53.4	49.7	46.7	24.5
10	59	53	57.3	51.3	47.8	44.8	25
16	56	49	54.3	46.7	43.7	40.7	25
20	55	46	52.8	44.3	41.7	38.7	25
25	53	44	51.3	41.7	39.8	36.8	24.3
31.25	51	41	49.9	39.2	37.9	34.9	23.6
62.5	47	32	45.1	29.9	31.8	28.8	21.5
100	44	24	42.3	22.4	27.8	24.8	20.1
155	42	16	39.5	14.2	23.9	20.9	18.8
200	40	11	37.8	8.6	21.7	18.7	18
240	33	~	30.6	~	16.2	13.2	17.4
300	31	~	29.2	~	14.2	11.2	16.8
350	30	~	28.1	~	12.9	9.9	16.3

**COMPLIANCES**

- TIA568-C.2 (ANSI) ETL Verified
- UL Listed NFPA 262 (UL-910)
- ANSI/TIA/EIA-862 (Building Automation)
- ICEA S-90-661
- UL Subject 444
- UL/NEC Type CMP
- ISO/IEC 11801 Ed. 2.0 (Blass E)

**ALL DIMENSIONS NOMINAL UNLESS SPECIFIED AND SUBJECT TO CHANGE WITHOUT NOTICE**



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REVISION	APPD	DATE

DRWN	CM	03/20/13
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