



1.0 DESCRIPTION:

RISER 4 PAIR 24 AWG UNSHIELDED TWISTED PAIR (UTP) LOW SKEW CABLE FOR RGB VIDEO APPLICATIONS. NOT FOR DATA TRANSMISSION.

2.0 CONSTRUCTION:

- 2.1 CONDUCTOR: 24 AWG SOLID BARE COPPER; OD: .0201" NOM
 2.2 INSULATION: HDPE
 2.3 COLOR CODE: P1. WHITE/BLUE, BLUE
 P2. WHITE/ORANGE, ORANGE
 P3. WHITE/GREEN, GREEN
 P4. WHITE/BROWN, BROWN
 2.4 PAIRS: TWO CONDUCTORS TWISTED TOGETHER
 2.5 CABLING: 4 PAIRS CABLED TOGETHER
 2.6 JACKET: PVC; COLOR: Maroon or as required
 OD: .185" NOM
 2.7 MARKING: CAROL ® -E1842S - LOW SKEW UTP RGB - 4 PAIR 24 AWG E116394-F
 (UL) c(UL) CMR 75C AAAAAA** MO/YR*** XXXXXX FEET****
 ** Order Number *** Date **** Sequential Footage every 2 feet
 2.8 APPROX. WEIGHT: 20 LBS./1000 FT

3.0 ELECTRICAL CHARACTERISTICS

DC Resistance: 9 Ω/100m (27.4 Ω/Mft) Max.
 Characteristic Impedance: 100 Ω +/- 15 Ω (1 to 100 MHz)
 Input Impedance: 100 Ω +/- 15 Ω (1 to 100 MHz)
 Propagation Delay Skew: 2.2 ns/100m Typical
 Velocity of Propagation: 70% Nom.
 Temp. & Voltage Rating: -20°C to +75°C / 300V Max.

Return Loss:	Frequency (MHz)	dB/100m
	1.0	20
	10.0	25
	20.0	25

R E V	DATE	CHANGE DETAIL	 General Cable 20 Forge Park, Franklin, Ma 02038 Phone: 508-541-7100 Fax: 508-541-8122			
			Title:	E1842S		
			Description:	4/PR 24 AWG UTP LOW SKEW RISER RATED CABLE		
C	09/23/08	Added Attn. & Retn.Loss-DB	Eng Approval:			
B	08/20/07	Corrected Ω/Mft - TS	Mktg Approval:			
A	07/17/07	Initial Release - TS	Final Approval:	<i>R. Brodeur</i>	9-23-08	PAGE 1 of 2

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Attenuation (max):

Frequency (MHz)

dB/100m

.772	1.8
1.0	2.0
4.0	4.1
8.0	5.8
10.0	6.5
16.0	8.2
20.0	9.3
25.0	10.4
31.25	11.7
62.5	17.0
100.0	22.0

4.0 **APPROVALS:**

4.1 (UL) c(UL) Listed Communications Cable Type CMR 75°C

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