908-687-7810, 800-327-2443, Fax: 908-687-8860 www.paigeelectric.com

Paige® spec 710548EWTA

4 PAIR 24 AWG CATEGORY 5e Riser TYPE CMR

(Tested to 100 MHz)

Compliance:

UL 444, Communications Cable
NEC Article 800
ETL Verified to TIA-568-B.2, Category 5e
UL Listed Type CMR
C(UL) Listed Type CMG
UL 1666 Riser Flame Test
CSA C22.2 No. 214
ICEA-S-80-576
California State Fire Marshal Approved
Restriction of Hazardous Substances (RoHS)

Applications:

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

1.0 SCOPE:

1.1 This cable consists of 4 pair 24 AWG solid bare copper; color-coded HD Polyethylene insulation; overall white FR-PVC jacket.

2.0 CONSTRUCTION:

2.1 CONDUCTOR:

2.1.1 Material: Bare Copper
2.1.2 Size: 24 AWG
2.1.3 Construction: Solid

2.2 INSULATION:

2.2.1 Material: HD Polyethylene
2.2.2 Wall Thickness: .0076" nom.
2.2.3 O.D.: .036" nom.
2.2.4 Color code:
Pair 1: 1-Blue, 2-White-Blue
Pair 2: 1-Orange 2-White-Orange
Pair 3: 1-Green 2-White-Green
Pair 4: 1-Brown 2-White-Brown

2.3 PAIRS:

2.3.1 2 conductors twisted together with a varying LHL.

2.4 CORE ASSEMBLY:

2.4.1 4 twisted pairs are cabled to form round core.

2.5 JACKET:

2.5.1 Material: FR-PVC
2.5.2 Wall Thickness: .014" nom.
2.5.3 OD: .180" nom.
2.5.4 Color: White
2.5.5 Ripcord run parallel under jacket
2.5.6 Markings: "PAIGE 710548EWTA E191596++ 24 AWG CMR C(UL) CMG – ETL VERIFIED TO TIA-568-B.2 CAT 5E RoHS COMPLIANT" Sequential footage markers provided every 2 feet.

2.6 PUT-UPS:

2.6.1 500' Box
2.6.2 Weight: 22 lbs / 1000'

The information and specifications described herein are subject to error or omission and to change without notice.

Paige provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Paige be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Paige has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

Paige Electric LP

2.7 ELECTRICAL PROPERTIES

2.7.1 Temperature: 75˚C
2.7.2 Voltage: 300 Volt
2.7.3 Mutual Capacitance: 14 pF/ft nom.
2.7.4 Char. Impedance: 100 Ohms ± 15
2.7.5 Propagation Delay Skew: 45 ns/100m max.
2.7.6 Velocity of Propagation: 70% nom.
2.7.7 DC Resistance: 9.38 Ohms/100m

Frequency MHz	Return Loss dB Minimum	Attenuation dB/100m Maximum	NEXT dB/100m Minimum	PSNEXT dB/100m Minimum
1	20.0	2.0	65.3	62.3
4	23.0	4.1	56.3	53.3
8	24.5	5.8	51.8	48.8
10	25.0	6.5	50.3	47.3
16	25.0	8.2	47.3	44.3
20	25.0	9.3	45.8	42.8
25	24.3	10.4	44.3	41.3
31.25	23.6	11.7	42.9	39.9
62.5	21.5	17.0	38.4	35.4
100	20.1	22.0	35.3	32.3

Frequency MHz	ELFEXT dB/100m Minimum	PSELFEXT dB/100m Minimum
1	63.8	60.8
4	51.7	48.7
8	45.7	42.7
10	43.8	40.8
16	39.7	36.7
20	37.7	34.7
25	35.8	32.8
31.25	33.9	30.9
62.5	27.8	24.8
100	23.8	20.8

Paige Electric LP

The information and specifications described herein are subject to error or omission and to change without notice.

Paige provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Paige be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Paige has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.