Paige® spec 9X2445EXYZ

(same as 710548Exx)

4 PAIR 24 AWG CATEGORY 5e Riser TYPE CMR (Tested to 350 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: X (See chart below)
2.5.5 Ripcord run parallel under jacket
2.5.6 Markings PAIGE 9X2445EXYZ 24/4 PR SOL CAT5E 350 MHz CMR (****) 75° C XXXXXX (***) ROHS COMPLIANT (**) (*)

2.6 PUT-UPS:

2.6.1 Y Package Z length (See chart below)
2.6.2 Weight: 22 lbs / 1000'

X Jacket Color		Y Packaging	Z Length
1 – Gray	8 – Purple	B – Box	1 – 1000'
2 – White	9 – Orange	R – Reel/Spool	2 – 250'
3 – Red	B – Beige	S – Speed Coil	3 – 2500'
4 – Black	K – Pink		5 – 500'
5 – Blue	N – Green		
6 – Yellow	U – Unjacketed		
7 – Brown			

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

Printing to be permanently identified via inkjet or print wheel print. (Embossed NOT Acceptable).

(*) Ascending / Descending Footage to Repeat Every 2 Feet.

(**) Manufacturer's lot number (for traceability)

(***) Cable Mill Factory Identification

(****) UL or ETL Listed & CSA Certified or C(UL)US Listed Acceptable