

7814A 24AWG,4 Pair, UTP Cat 6 PVC

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter 5.80 ± 0.50mm

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -20°C To +80°C
 Bulk Cable Weight 36.3Kg/Km
 Max. Recommended Pulling Tension 110N
 Min. Bend Radius (Install) 25.4mm

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CM
 CEC/C(UL) Specification CM
 IEC Specification ISO 11801
 TIA/EIA Specification 568-B.2-1 Category 6
 Other Specification Category 6, UL verified to Category 6, ETL, ANSI/TIA/EIA-568B.2-1

FLAME TEST:

UL Flame Test UL Type CM

PLENUM/NON-PLENUM:

Plenum (Y/N) N
 Plenum Number -

ELECTRICAL CHARACTERISTICS - PREMISE:

Premise Cable Electricals Table 1 :

Frequency (MHz)	Insertion Loss (dB/100 m)	NEXT (dB)	PSNEXT (dB)	ACR (dB)	PSACR (dB)	Return Loss (dB)	PSELFEXT (dB/100m)
1	2.0	74.3	72.3	72	70.3	20.0	64.8
4	3.8	65.3	63.3	61	59.5	23.0	52.8
8	5.3	60.8	58.8	55	53.5	24.5	46.7
10	6.0	59.3	57.3	53	51.3	25.0	44.8
16	7.6	56.2	54.2	49	46.6	25.0	40.7
20	8.5	54.8	52.8	46	44.3	25.0	38.8
25	9.5	53.3	51.3	44	41.8	24.3	36.8
31.25	10.7	51.9	49.9	41	39.2	23.6	34.9
62.5	15.4	47.4	45.4	32	30.0	21.5	28.9
100	19.8	44.3	42.3	25	22.5	20.1	24.8
200	29.0	39.8	37.8	11	8.80	18.0	18.8
250	32.8	38.3	36.3	06	3.50	17.3	16.8

Detailed Specifications & Technical Data

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Premise Cable Electricals Table 2 :

Frequency (MHz)	Characteristics Impedance (Ohms)	ELFEXT (dB/100m)
1	100 ± 15	67.8
4	100 ± 15	55.8
8	100 ± 15	49.7
10	100 ± 15	47.8
16	100 ± 15	43.7
20	100 ± 15	41.8
25	100 ± 15	39.8
31.25	100 ± 15	37.9
62.5	100 ± 15	31.9
100	100 ± 15	27.8
200	100 ± 15	21.8
250	100 ± 15	19.8

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft. /m)	Ship Weight (kg.)	Jacket Color	Notes
7814A 006	4 PR #24 PVC	1000 / 305	11.25	BLUE	
7814A F6H	4 PR #24 PVC	1000 / 305	11.25	GRAY	

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