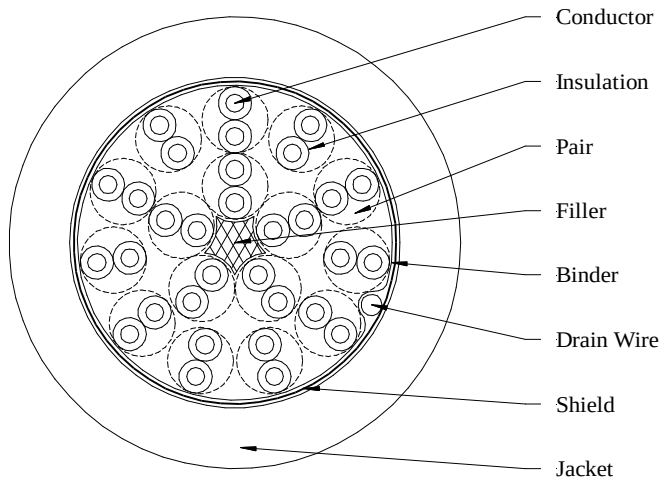


16 PAIR 26 AWG xDSL/T1 CABLE



CONSTRUCTION

Pair Component

Conductor: 26 AWG Solid Tin Plated Copper, 0.0159 Inch Diameter

Insulation: 0.0075 Inches of Flame Retardant Polyethylene, 0.031 Inch Diameter

Pair¹: 2 Insulated Conductors Twisted Together with Varied Pair Lays to Minimize Crosstalk

¹ Tight Twist (Data) lay lengths are used in order to meet Telecom Industry Standards, i.e. TIA/EIA-568-A

Final Assembly

Core: Fibrillated Polypropylene Filler

Layer 1: 5 Pairs (#1-5) Cabled Around Core

Layer 2: 11 Pairs (#6-16) Cabled Around Layer 1

Binder: Polyester Tape, 50% Overlap

Drain Wire: 26 AWG Solid Tin Plated Copper, 0.0159 Inch Diameter

Shield: Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap

Jacket: 0.024 Inches of PVC, Color – Telephone Gray²

Diameter: 0.330 Inch Nominal

Print Legend: “TYPE CMR 26 AWG (UL) MADISON CABLE CORP. CSA TYPE CMG R0120464 {Date Code}³”

² Per ANSI/EIA-359-A N5/

³ Date Code is a 6 digit code with the first two digits identifying the calendar day, the middle two digits identifying the calendar month and the last two identifying the calendar year of manufacturing. Example: 04/05/95 for cable manufactured on May 4, 1995.

COLOR CODE

Pair #	Conductor #1	Conductor #2
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Gray	Gray/White
6	Red/Blue	Blue/Red
7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Gray	Gray/Red
11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black
14	Black/Brown	Brown/Black
15	Black/Gray	Gray/Black
16	Yellow/Blue	Blue/Yellow

ELECTRICAL CHARACTERISTICS⁶

Frequency (MHz)	Impedance ⁵ (Ohm)	Attenuation (dB/100 m Maximum)	NEXT ⁵ (dB Minimum)
0.772	100 ± 15	2.9	58.0
1.000	100 ± 15	3.2	56.3
1.024	100 ± 15	3.3	56.2
1.576	100 ± 15	4.1	53.4
3.156	100 ± 15	5.8	48.8
4.000	100 ± 15	6.6	47.3
4.224	100 ± 15	6.7	46.9
8.000	100 ± 15	9.4	42.8
10.000	100 ± 15	10.9	41.3
16.000	100 ± 15	13.5	38.3
20.000	100 ± 15	15.4	36.8

⁵ Measured per the requirements of TIA/EIA- 568-A, Generic Cabling Standard for Category Rated Cabling.

Mutual Capacitance: 19 pF/ft Maximum

Time Delay: 1.74 ns/ft Maximum

Conductor DC Resistance: 44.0 Ohms/1000 ft Maximum @ 20°C

Conductor DC Resistance Unbalance: 5% Maximum

⁶ Characteristics are specified for meeting the requirements of xDSL, 1-10 Mbps

SAFETY CERTIFICATION

UL Listing: Type CMR as specified in Article 800 of the National Electrical Code

CSA Certification: Type CMG



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Spec Number: 100-3195

Part Number: 32LEJ00001

Customer: Nortel Networks

Customer #: R0120464 (For Reference Only)

REVISION HISTORY

1	08/03/00	EP	Initial Release			
2	02/23/01	EP	Revised Print Legend, Conductor DCR			
3	03/16/01	EP	Added P/N; Revised Format			
4	10/03/01	EP	Added Customer Name & #; Revised Legend			
Prepared By:		E. Piekelniak		EP	10/3/01	Page 1 of 1
Reviewed By:		M. Dupuis		MD	10/3/01	