



PRODUCT DATA SHEET

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PART NUMBER: 76214
DESCRIPTION: 24 AWG /4 Pair PLENUM CATEGORY 3 DATA CABLE *Plen-Lan 3*
RATING: UL Standard 444, ICEA S-80-576, EIA/TIA 568, FT6
CERTIFICATIONS: ETL Listed CMP ETL Verified Category 3

Construction Parameters:

| | <u>INFORMATION</u> | <u>DIAMETER*</u> |
|-------------|--|------------------|
| Conductors: | Solid Copper | 0.020 |
| Dielectric: | Solid LOW SMOKE PVC | 0.035 |
| Pair lays: | Each pair has different lay length for cross-talk prevention | - |
| Ripcord: | Polyester | - |
| Jacket: | LOW SMOKE PVC | 0.160 |

Electrical Properties:

| | |
|---|---------------|
| DC Resistance Max.(ohms/100m @ 20° C): | 9.38 |
| DC Resistance Unbalance Max.(%): | 5 |
| Characteristic Impedance (ohms): 1-16 MHz | 85-115 |
| Pair-to-Ground Cap. Unbal. Max.(pF/100m): | 330 |
| Worst-Pair Near-End | 772 kHz 43** |
| Crosstalk Min. (dB): | 1.0 MHz 41** |
| | 4.0 MHz 32** |
| | 8.0 MHz 27** |
| | 10.0 MHz 26** |
| | 16.0 MHz 23** |

The (**) values are for information only. The min. NEXT coupling loss for any pair combination at room temp. is to be greater than the value determined using the formula $NEXT(F_{MHz}) \geq NEXT(0.772) - 15 \log_{10}(F_{MHz}/0.772)$ for all freq. in the range of 772 MHz-16 MHz for a min. length of 100 m.

| | | |
|----------------------------|----------|-------|
| Attenuation Max.(db/100m): | 256 kHz | 1.3 |
| | 512 kHz | 1.8 |
| | 772 kHz | 2.2* |
| | 1.0 MHz | 2.6* |
| | 4.0 MHz | 5.6* |
| | 8.0 MHz | 8.5* |
| | 10.0 MHz | 9.7* |
| | 16.0 MHz | 13.1* |

The asterisk (*) values are for information only. The maximum loss for any pair at room temp. is to be determined using the formula $Att(f) \leq 2.32[SQR(f)] + 0.238(f)$

| | | |
|-------------------|---------------|------|
| Structural Return | 1.0- 10.0 MHz | 12 |
| Loss Min. (dB): | 16.0 MHz | 10** |

The (**) values are for information only. The SRL is to be determined using the formula $SRL_F \geq SRL_{10} - 10 \log_{10}(F/10)$

Miscellaneous Information:

Pair Colors: W/BI with BI/W, W/Or with Or/W, W/Gn with Gn/W, W/Bn with Bn/W
 Jacket Color: NATURAL
 Jacket Print: CAT3 COLEMAN CABLE 76214 CAT3 24 AWG C(ETL)US LISTED 2003548
 TYPE CMP ETL VERIFIED TO TIA/EIA-568-B.2 CAT3 FT6 DATE CODE
 REEL# SEQ FTG CAT3 (EVERY FOOT)
(Also printed with sequential footage, date code and reel #)
 Flame rating: NFPA 262 Steiner Tunnel Smoke and Flame Test
 Applicable NEC Article: 800
 Applicable TIA/EIA: 568-B.2
 Approximate Weight (lb/1000 ft): 18

This product complies with European Directive 2002/95/EC (RoHS)

On special orders the customer will accept all factory lengths and $\pm 10\%$ of total order requested.

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Company Name: _____

Customer Approval: _____

Date: _____