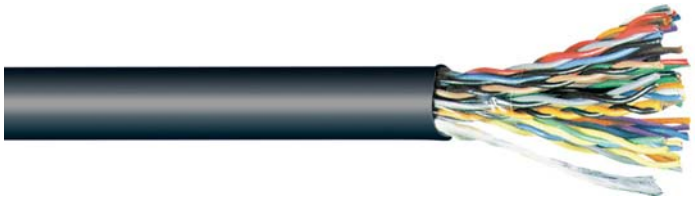
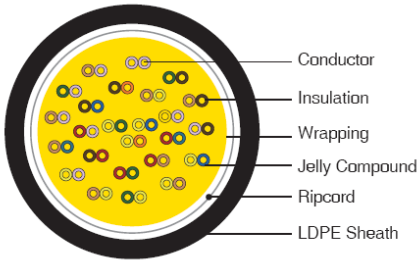
# Category 3 UTP Outdoor Cable, Gel Filled, LDPE
0.63mm Conductor

**Part No. 7241x3y22** **Ver. 1801** **Product Specification**

All Premium Line Cat.3 UTP gel filled outdoor multipair cable meets or exceeds ANSI/TIA/EIA 568-C.2, ISO/IEC 11801, EN 50173 specification. This range of unscreened cables is designed to support Cat.3 outdoor condition Channel link performance, with internationally defined Physical and Electrical performance up to 16MHz. all cable comply with RoHS






*For 50pairs, separate in 4 bundles*
*1~12p wrapped by color strip*
*13~25p wrapped by color strip*

*For 100pairs, separate in 4 bundles*
*Each 25p wrapped by color strip*

## *CONSTRUCTION:*

| | | | | | |
|---|---|---|---|---|---|
| **Conductor** | 0.63±0.01MM Plain copper conductor | | | | |
| **Insulation** | HDPE with color marking on Primary cores for easy identification | | | | |
| **Color Code** | White/Blue | Red/Blue | Black/Blue | Yellow/Blue | Violet/Blue |
| | White/Orange | Red/Orange | Black /Orange | Yellow/Orange | Violet/Orange |
| | White/Green | Red/Green | Black/Green | Yellow /Green | Violet/Green |
| | White/Brown | Red/Brown | Black/Brown | Yellow /Brown | Violet/Brown |
| | White/Grey | Red/Grey | Black/Grey | Yellow/Grey | Violet/Grey |
| **Filling Compound** | Petroleum Jelly Filled Compound | | | | |
| **Sheath** | LDPE | | | | |
| | Nominal size | 10pair | 25pair | 50pair | 100pair |
| | | 11.0mm | 14.9mm | 21mm | 26.1mm |
| **Additional Components** | Overall Cable wrapped with PP tape | | | | |

## *PHYSICAL CHARACTERISTICS:*

| | | | | |
|---|---|---|---|---|
| **Maximum Pulling Force** | 120N | 200N | 250N | 350N |
| **Minimum Bending Radius** | ≧ 10D(operation); ≧ 15D(installation) | | | |
| **Operating Temperature** | -40℃~ +60℃ | | | |
| **Installation Temperature** | -30℃~ +50℃ | | | |

*Premium Line Systems GmbH reserves the right to change specifications without prior notice.*



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## *ELECTRIC CHARACTERISTICS :*

| **Transmission Frequency (MHz)** | 1 | 4 | 8 | 10 | 16 |
|---|---|---|---|---|---|
| **NEXT dB/100m** | 41.3 | 32.3 | 27.8 | 26.3 | 23.3 |
| **Characteristic Impedance** | 100±15Ω | | | | |
| **Attenuation dB/100m** | 2.6 | 5.6 | 8.5 | 9.7 | 13.1 |
| **Structural Return Loss dB/100m** | 12 | 12 | 12 | 12 | 9.95 |
| **Nominal Velocity of Propagation** | >65% | | | | |

## *ORDERING INFORMATION:*

Part NO. 7241x3y22

Description: Premium-Line Category 3 UTP outdoor cable, 0.63 conductor, gel filled, LDPE, black, reel packing

x, pair 5: 10pairs 7: 20pairs 8: 50pairs 9: 100pairs

y, length 1: 305m/reel 2: 500m/reel 3: 1000m/reel

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