

# Category 3 Plenum



| PRODUCT NUMBER                               | PAIRS | JACKET COLOR | PKG | O.D. (INCHES) | WEIGHT (LBS/KFT) |
|----------------------------------------------|-------|--------------|-----|---------------|------------------|
| <b>Flexguard® Flame-Retardant PVC Jacket</b> |       |              |     |               |                  |
| 2131243                                      | 2     | White        | PP  | 0.13          | 10               |
| 2131244                                      | 3     | White        | PP  | 0.15          | 13               |
| 2131245                                      | 4     | White        | PP  | 0.17          | 17               |
| 2131313                                      | 4     | Gray         | PP  | 0.17          | 17               |
| 2131453                                      | 4     | Blue         | PP  | 0.17          | 17               |
| 2131463                                      | 4     | Green        | PP  | 0.17          | 17               |
| 2131246                                      | 6     | White        | PP  | 0.18          | 24               |
| 2131250                                      | 6     | White        | SP  | 0.18          | 24               |
| 2131505                                      | 25    | White        | RL  | 0.42          | 102              |
| 2131505.99                                   | 25    | White        | POL | 0.42          | 102              |
| 2131757                                      | 50    | White        | RL  | 0.59          | 220              |
| 2131757.99                                   | 50    | White        | POL | 0.59          | 220              |
| 2131758                                      | 100   | White        | RL  | 0.84          | 440              |
| 2131758.99                                   | 100   | White        | POL | 0.84          | 440              |
| <b>Flame-Retardant PVC Jacket</b>            |       |              |     |               |                  |
| 2131442.99                                   | 200   | Natural      | POL | 1.10          | 728              |
| 2131474.99                                   | 300   | Natural      | POL | 1.45          | 1243             |

Data subject to change without notice.

## Product Construction

### Conductors:

- 24 AWG solid bare annealed copper

### Insulation:

- Flame-retardant semi-rigid PVC

### Color Code:

- See Color Code Chart on page 95

### Rip Cord:

- Applied longitudinally under jacket (except 3 and 4 pair)

### Jacket:

- Flexguard® flame-retardant PVC
- Sequential footage markings

## Packaging

- 1000' Pull-Pac® (PP)
- 1000' spool (SP)
- 1000' Spool-Pac® (SPC)
- 1000' reel (RL)
- Per order length (POL)

## Applications

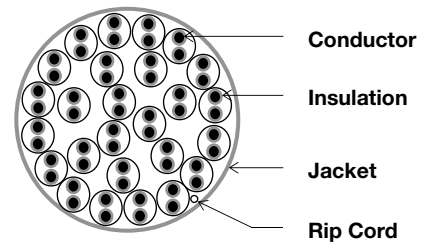
- IEEE 802.3: 10 BASE-T
- IEEE 802.12: 100 BaseVG
- Token Ring, ATM
- T1
- Voice

## Compliances

- ANSI/TIA 568-C.2
- NEC/CEC Type CMP (NFPA 262) for Plenum
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ICEA S-90-661

## Electrical Characteristics

|                                                                                     | 24 AWG                             | Frequency | Insertion Loss dB/100 m (max) | Power Sum Near-End Crosstalk dB (min) |
|-------------------------------------------------------------------------------------|------------------------------------|-----------|-------------------------------|---------------------------------------|
| <b>DC Resistance (max)</b><br>Ohms/100 m (328 ft) @ 20°C                            | 9.38                               | 772 kHz   | 2.2                           | 43                                    |
| <b>Mutual Capacitance (max)</b><br>pF/ft @ 1 kHz                                    | 17                                 | 1 MHz     | 2.6                           | 41                                    |
| <b>Characteristic Impedance</b><br>Frequency (f): 1.0-16.0 MHz                      | Ohms<br>100 ± 15                   | 4 MHz     | 5.6                           | 32                                    |
| <b>Structural Return Loss (SRL)</b><br>Frequency (f): 1.0-10.0 MHz<br>10.0-16.0 MHz | dB (min)<br>12<br>12-10 log (f/10) | 8 MHz     | 8.5                           | 27                                    |
|                                                                                     |                                    | 10 MHz    | 9.7                           | 26                                    |
|                                                                                     |                                    | 16 MHz    | 13.1                          | 23                                    |



## Physical Data

|                         | CMP (Plenum) |
|-------------------------|--------------|
| Temperature Rating (°C) |              |
| Installation:           | 0 to +60     |
| Operation:              | -20 to +75   |



4 Pair  
25 Pair



RoHS Compliant  
Directive 2011/65/EU

