



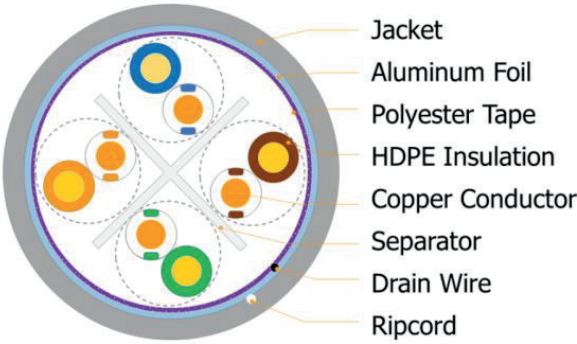
F/UTP 4Pairs Cat.6 PVC  
CMR Sheath Lan Cable

MODELO:  
PRO-CAT6-S



Application

- Category 6 U/UTP Cable, 23AWG, PVC sheath, 4 pairs. Category 6 cable is the ultimate solution for a future proof network. It is specifically designed to support the exacting requirements for tomorrow's protocols, yet is fully backwards compatible with today's needs. cable shall be ANSI/TIA-568.2-D and IEC 61156.
- 10BASE-T Ethernet.
- 100BASE-T Fast Ethernet.
- 1000BASE-T Gigabit Ethernet.



Construction

|                          |                      |
|--------------------------|----------------------|
| Conductor Material       | Solid Bare Copper    |
| Conductor Diameter(mm)   | 23AWG/0.57           |
| Insulation Material      | HDPE                 |
| Insulation Diameter(mm)  | 1.15                 |
| Rip cord                 | 210D                 |
| Separator                | Yes/Flame Resistance |
| Sheath Material          | PVC CMR              |
| Jacket Thickness(mm)     | 0.5±0.1              |
| Diameter Over Jacket(mm) | 7.6±0.3              |

Mechanical Requirements

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Pulling Tension, maximum                | 100N                             |
| Minimum Laying Operation Bending Radius | 8 times the outer cable diameter |

Electrical Properties

|                                                        |              |
|--------------------------------------------------------|--------------|
| Conductor Resistance (20°C)                            | ≤9.5Ω/100m   |
| Electrical Resistance Unbalance (20°C)                 | ≤2.0%        |
| Insulation Resistance                                  | >5000 MΩ.km  |
| Pair to Ground Capacitance Unbalance (0.8 kHz or 1kHz) | ≤160 pF/100m |
| Nominal Velocity of Propagation (NVP)                  | 69%          |
| Skew                                                   | 45 ns/100m   |
| Operating Frequency, maximum                           | 250 MHz      |





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Transmission Properties  
The Cable pass Fluke test : 100m Channel test and 90m Permanent Link test

| Feq (Mhz) | IL (dB/100) | RL (dB) | NEXT (dB) | PS.NEXT (dB) |
|-----------|-------------|---------|-----------|--------------|
| 1.00      | 1.9         | 23      | 74.3      | 72.3         |
| 4.00      | 3.8         | 24.5    | 65.3      | 63.3         |
| 8.00      | 5.4         | 21.0    | 60.8      | 58.8         |
| 10.00     | 6.0         | 25      | 59.3      | 57.3         |
| 16.00     | 7.6         | 25      | 56.2      | 54.2         |
| 25.00     | 9.6         | 24.3    | 53.3      | 51.3         |
| 31.25     | 10.7        | 23.6    | 51.9      | 49.9         |
| 62.50     | 15.5        | 21.5    | 47.4      | 45.4         |
| 100.00    | 19.9        | 20.1    | 44.3      | 42.3         |
| 200.00    | 29.1        | 18.0    | 39.8      | 37.8         |
| 250.00    | 33.0        | 17.3    | 38.3      | 36.3         |

Environmental Requirements

|                                 |                |
|---------------------------------|----------------|
| Operating Temperature, range    | -20°C to +60°C |
| Storage Temperature, range      | -10°C to +50°C |
| Installation Temperature, range | -5°C to +40°C  |
| Flame retardant                 | UL CMR         |

All Materials Comply with 2011/65/EU (ROHS 2.0)

