



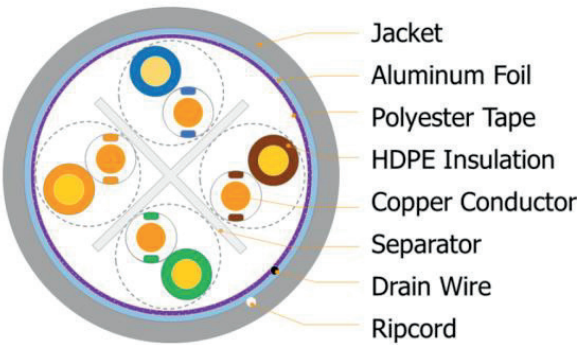
F/UTP 4Pairs Cat.6 PVC
CMR Sheath Lan Cable

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





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

MODELO:
PRO-CAT6-S

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)

