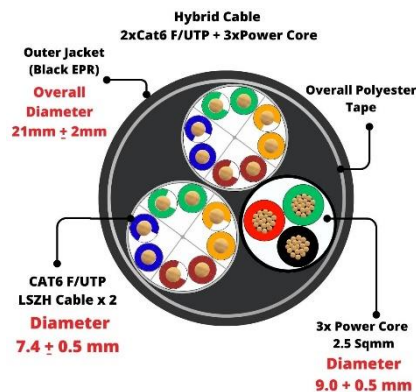


High Temperature Hybrid Cable (2 x CAT6 F/UTP LSZH CABLE & 3 x POWER CORES)



Physical Construction: 2 x CAT6 F/UTP CABLE

• Conductor Type	Solid Bare Electrolytic Grade Copper
• Conductor Size	23 AWG
• Insulation	Polyolefin
• Insulation Diameter	1.05 mm ± 0.05 mm
• Pairing	Twisted into two cores
• Shielding	Al Foil Mylar Tape (Coverage 100%) with ATC Drain Wire
• Outer Sheath	LSZH
• Colour of Sheath	Grey
• Cable Diameter	7.40 mm ± 0.5 mm

Physical Construction:

3 x POWER CABLE

• Conductor Size	2.5 sq.mm
• Insulation	PVC
• Insulation Diameter	3.5 mm ± 0.5 mm
• No of Core	3 Cores, Red, Black and Green
• Shielding	Al Foil Mylar Tape (Coverage 100%)
• Outer Sheath	PVC
• Colour of Sheath	Grey
• Cable Diameter	9.0 mm ± 0.5 mm

Overall Cable

• Wrapping	2 x CAT6 & POWER CABLE WRAPPED WITH POLYESTER TAPE
• Outer Sheath	EPR (Cross-linked Ethylene Propylene)
• Colour of Sheath	Black
• Cable Diameter	21.0 mm ± 2.0 mm

Mechanical Properties:

• Bending Radius	≤ 20 x Cable Diameter
• Installation Temperature	0 to +50 °C
• Operating Temperature	-20 to +150 °C

Pair Identification Color Code

For CAT6

Pair#1-2	White	Orange	Orange
Pair#3-6	White	Green	Green
Pair#4-5	White	Blue	Blue
Pair#7-8	White	Brown	Brown

For Power Cores : **Red**, **Black** & **Green**

Electrical Properties: CAT6 Cables

• Conductor Resistance (Ω/km)	93.8 (Max)
• Mutual Capacitance (nF/100 M)	5.6 (Max)
• Resistance Unbalance (%)	5 (Max)
• Worst Delay Skew (ns/100 M)	≤ 45
• NVP (%)	72
• Characteristic Impedance (Ω)	100 ± 15

Power Cable

• Conductor Resistance (Ω/km)	10.0 (Max)
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Approved By
Technical Head