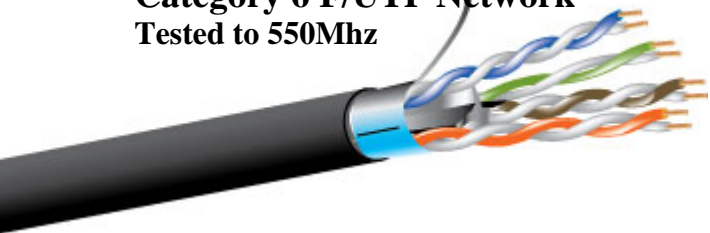


**Technical Data Sheet-
Category 6 F/UTP Network
Tested to 550Mhz**



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PART NUMBER:	4246F	Replaces: M58163
DESCRIPTION:	23 AWG.- 4 PAIR Solid bare copper conductors, Shielded with an overall jacket.	
NEC RATING:	CMR	
APPROVALS:	C(UL)Us or ETL Listed - HDBaseT Certified	
APPLICATION:	Indoor - Category 6 Applications- Ethernet, IP Cameras, Digital Integration, DVI,HDMI Meets or exceeds TIA/EIA 568C.2 Category 6 Specifications	

Construction Parameters:

Conductor	23 AWG Bare Copper
Stranding	Solid
Number of Conductors	8 (4 Pair)
Insulation	Thermoplastic
Barrier	Internal FlexWeb Core Separator
Shield-Screen	100% Aluminum Foil -25% overlap
Drain	24 AWG Solid Tin
Core Separator	Yes
Jacket Material	PVC
Overall Cable Diameter	0.290" Nom.
Approximate Cable Weight	43 Lbs/1M' Nom.
Flame Rating	UL-1666

Electrical & Environmental Properties:

Operating Temperature Rating	-20°C To +60°C
Operating Voltage Rating	300 V RMS
DC Resistance per Conductor @ 20deg C	20.4 Ohms/1000ft
Mutual Capacitance	14pf/ft Nominal
Nominal Impedance	100 Ohms+/-15% (1-100Mhz)
Velocity of Propagation	68% Nominal
Delay Skew	30ns/100m MAX
Standards	TIA/EIA568-C.2
Insulation Colors	1.Blue/White-Blue, 2. Orange/White-Orange 3. Green/White-Green, 4. Brown/White-Brown
Jacket Color	Black
RoHS Compliant	Yes

Electrical Specifications:

Frequency: MHz	1	10	31.25	100	250	500	550
Insertion Loss: dB/100m	1.9	5.6	10.0	18.5	30.7	45.7	48.4
NEXT: dB/100m	74.3	59.3	51.9	44.3	38.3	33.8	33.2
ACR: dB/100m	72.3	53.3	41.2	24.5	5.5	--	--
PS-NEXT: dB/100m	72.3	57.3	49.9	42.3	36.3	31.8	31.2
PS-ACR: dB/100m	70.3	51.3	39.2	22.5	3.5	--	--
ELFEXT: dB/100m	70.0	50.0	40.1	30.0	22.0	16.0	--
PS-ELFEXT: dB/100m	68.0	48.0	38.1	28.0	20.0	14.0	--
RL: dB	20	25	23.6	20.1	17.3	15.2	14.9

Operating Temp	-20 C to +60 C
Storage Temp	-20 C to +75 C
Installation Temp	0 C to + 60 C
Delay Skew	30ns/100m Max

Mechanical Properties:

Max. Recommended Pull Tension	25 lbs.
Min. Bend Radius (Install)	1.00"

Accessories:

Connectors: Jacks
KJS458TL-C6C

Connectors: Plugs
CN-111S90H34 – LOADING BAR –
90170-BI – Plug Installation Kit- **Recommended**
Cable Boots:
CN-B0051 - Black

Specification Issue Date: 7/13

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Standard Lengths are 1000ft.
The Jacket is sequentially footmarked.
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