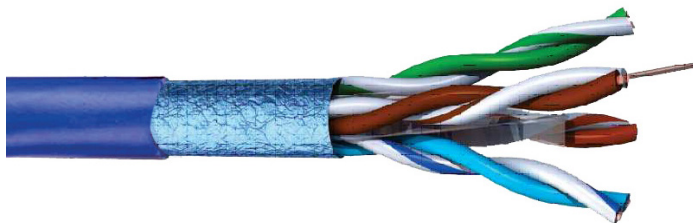


Category 6A F-UTP Copper Cable



PRODUCT INFORMATION

MSS Data Solutions offers this product as one of the best performing cables on the market today. Offering exceptional alien crosstalk (ANEXT) performance and electromagnetic immunity whilst delivering 10 Gigabit performance now and many years into the future.

APPLICATIONS

Generic cabling systems. Including 10Base -T, 100Base -T 1000Base -T, ATM 10G & Token Ring Designed to support Cat 6A Link and Channel performance.

STANDARD COMPLIANCE

AS/NZS 11801.1:2019

ANSI/TIA 568.2-D

UL Subject 444

ACMA compliance

CONSTRUCTION

Conductor	23AWG annealed bare copper
Insulation	Polyethylene
Colour Code	White - Blue, White -Orange, White -Green, White -Brown
Overall Screen	Aluminium poly laminate
Outer Jacket	LSZH
Overall Dimension	7.2 +/- 0.5mm
Printing	Jacket printed Black with Legend as per customer requirement

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where shown, may not be to scale. Dimensions are metric and size maybe approximate. Where possible data sheets including MSDS are made available on our website and apps. All products should be installed and used in accordance to manufacturer's instruction provided. Warning: products may be subject of registered designs and patents. Refer to our website or apps for terms and conditions on warranty.

Category 6A F-UTP Copper Cable



MECHANICAL CHARACTERISTICS

Maximum Pulling Force	100N
Minimum Bending Radius	8*OD
Nominal Weight	56 KG/KM
Operating Temperature	-20 Degrees C ~ +60 Degrees C
Installation Temperature	+0 Degrees C ~ +5- Degrees C
LSZH Requirement	IEC60332-1
Cable Length	305 Meter/Reel or 500 Meter/Reel

ELECTRICAL PERFORMANCE

Transmission Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	200	250	500
NEXT dB	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	33.8
Character Impedance (ohm)	100+/- 15								+/- 22	+/- 25	
Attenuation dB/100m	2.1	3.8	5.9	7.5	8.4	10.5	15.0	19.1	27.6	31.1	45.3
Return Loss dB	20	23	25	25	25	23.6	21.5	20.1	18	17.3	15.2
PSNEXT dB	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.8
ACRF dB	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	13.8
PS ACRF dB	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	10.8
PS ANEXT dB	92.5	83.5	77.5	74.4	73.0	70.1	65.6	62.5	58.0	56.6	52.0
PS AACRF dB	78.2	66.2	58.2	54.1	52.2	48.3	42.3	38.2	32.2	30.2	24.2
Delay ns/100m	570	552	545	543	542	540	539	538	537	536	536
Skew ns/100m	45										
NVP	64%										

ORDERING INFORMATION

Part Number	Description	UOM
MSSCABLE6AF	Category 6A F/UTP Copper Cable Blue	305m

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