

Category 6A F-UTP Cable

High performance Category 6A F-UTP cable perfectly matched to OCULA's copper network components. Supplied on a 305m Drum as standard but also available on 500m drums upon request.



KEY FEATURES

- Standards Compliant AS/NZS 11801:2019
- Standards Compliant ISO/IEC 11801:2017
- Standards Compliant TIA-568.2-D

APPLICATIONS

- Data Centres
- Generic cabling systems
- 10G Networks

Construction

CONDUCTOR	23AWG annealed bare copper
INSULATION	Two pairs HDPE, two pairs foam PE
SCREEN	Aluminium poly laminate with tinned copper drain wire
OUTER JACKET	LSZH compound
OVERALL DIAMETER (NOMINAL IN MM)	7.2 ± 0.3 mm
RIPCORD	Cable is supplied without a ripcord unless specified by the customer

Mechanical and Electrical Characteristics

MAXIMUM PULLING FORCE	100N
MAXIMUM BEND RADIUS	8 x OD
NOMINAL WEIGHT	51 kg/km
OPERATING TEMPERATURE	-20 to +60°C
INSTALLATION TEMPERATURE	0 to +50°C
POE PERFORMANCE	PoE ++ Type 4
NVP	64%

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
CHARACTERISTIC 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	56.5	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										

Ordering Information

PART NUMBER	DESCRIPTION	SALES UNIT
C6AFUTPS305BU	Category 6A F-UTP cable, 4 pair LSZH	305m reel (500m upon request)