

6A U/FTP Cable

APPLICATION

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (10GbaseT) standard. Operates at bandwidth of 500MHz. This cable complies to the requirements of ANSI/TIA-568-C.2 & ISO/IEC 11801.

Approval: ETL verified to ANSI/TIA-568-C.2 & ISO/IEC 11801.

FEATURES:

Shield gives Protection against Electromagnetic Interference and avoid signal loss & Lower pair to pair Crosstalk

CONSTRUCTION

Conductor : 23 AWG Solid Bare Copper

Insulation : Foam skin PE

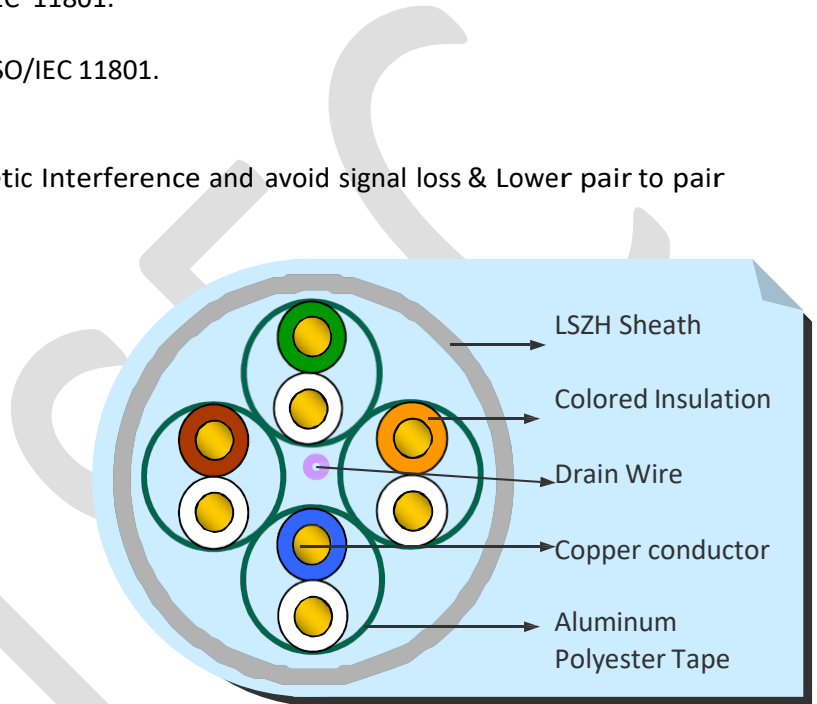
Pairs : 2 Insulated conductors twisted together

Individual Pair : Aluminum /Polyester Tape
Shield : Tinned Copper Drain Wire

Sheath : LSZH

Cable Diameter: 7.5 ± 0.3 mm

Printing : Each meter printed with "Customer Specific Information" & sequential Length Counter



COLOUR CODE

PAIR NO	COLOUR
1-2	White and Orange
3-6	White and Green
4-5	White and Blue
7-8	White and Brown

ELECTRICAL PROPERTIES

Characteristic Impedance	: 100 ± 15 Ω
Conductor Resistance	: ≤ 9.38 /100m
Mutual Capacitance	: < 5.6nF/100m
Resistance Unbalance	: 5% Max
Capacitance Unbalance	: 330pF/100m
Delay Skew	: <



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TRANSMISSION CHARACTERISTICS 100M

Frequency (MHz)	Max attenuation (dB/100M)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
1	2.1	20	74.3	72.3	67.8	64.8
4	3.8	23	65.3	63.3	55.8	52.8
10	5.9	25	59.3	57.3	47.8	44.8
16	7.5	25	56.2	54.2	43.7	40.7
20	8.4	25	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	38.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

CONNECTION SYSTEM

Compatible with all common systems according to ANSI/TIA-568-C.2 & ISO/IEC 11801

FLAME PROPERTIES

Flammability Test – IEC 60332-1

Acid Gas Emission Test – IEC 60754-1

Flame requirements meets Euro Class Cca-s1a-d1-a1

MECHANICAL PROPERTIES

Bending Radius : Min. 8 x Cable Diameter

Pulling Force : 11.5Kg

Temperature Range

Operation : -20° to +70°C

Installation : 0° to +50°C

AVAILABLE CABLE COLOR

Natural, Grey, Violet or as per Customer Request

PACKING

Available in Reels of 305M or Longer as per Customer Specific

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for products set forth our standard terms and conditions of sale



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