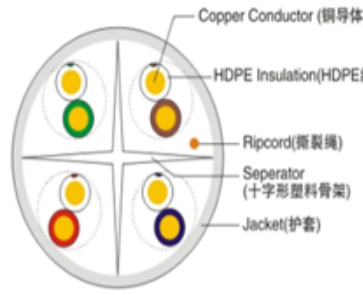


100 Ω CAT6A UTP 4pairs cable category6A - 500MHz - Eca LSZH sheath



96092: 50m (ROLL)

96096: 100m (ROLL)

96097: 305m (BOX)

CABLE DESCRIPTION

| 1-CONDUCTOR | PARAMETER | UNIT | VALUE |
|--------------------------------------|---|-------|--------|
| TYPE: SOLID-Bare copper | Max. linear resistance. | Ω/km | ≤68 |
| DIAMETER: 0.57mm±0.005mm | Mutual capacity (nom.) | pF/m | 56 |
| AWG: 23 AWG | Unbalance capacity max (p/p at 1 KHz) | pF/km | 1600 |
| 2-INSULATION | Characteristic impedance (1 at 100 MHz) | Ω | 100±15 |
| TYPE: HDPE | VELOCITY OF PROPAGATION (f>1MHz) | %of c | 66 |
| DIAMETER: 1.06mm±0.05mm | Marking | | |
| 3-SYNTHETICAL SEPARTION FOIL: | CAT 6a network cable, U/UTP, blue | | |
| 4-DRAIN WIRE: no | CU, AWG 23/1 (solid), LSZH | | |
| 5-SHIELDING: no | | | |
| 6-RIP CORD | | | |
| YES | | | |
| 7-OUTER JACKET | | | |
| TYPE: Eca LSZH | | | |
| COLOUR: GREY | | | |
| THICKNESS: 0.56mm±0.05mm | | | |
| EXTERNAL DIAMETER: 6.3mm±0.5mm | | | |

Test Request: Network Analyzer 100m

ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | Return loss (dB) | Attenuation (dB/100m) | NEXT (dB) | PSNEXT (dB) | ELFEXT (dB) | PSELFEXT (dB) |
|-----------------|------------------|-----------------------|-----------|-------------|-------------|---------------|
| 1 | 20 | 1,9 | 74 | 72,3 | 68 | 65 |
| 4 | 23 | 3,7 | 65 | 63,3 | 56 | 53 |
| 8 | 24,5 | 5,3 | 60,7 | 48,8 | 49,9 | 46,9 |
| 10 | 25 | 5,9 | 59 | 57,3 | 48 | 45 |
| 16 | 25 | 7,5 | 56 | 54,2 | 43,9 | 40,9 |
| 20 | 25 | 8,4 | 55 | 52,8 | 42 | 39 |
| 25 | 24,3 | 9,5 | 53,3 | 41,3 | 40 | 37 |
| 31,25 | 23,6 | 10,6 | 52 | 49,9 | 38,1 | 35,1 |
| 62,5 | 21,5 | 15,4 | 47 | 45,4 | 32,1 | 29,1 |
| 100 | 20,1 | 19,8 | 44 | 42,3 | 28 | 25 |
| 200 | 18 | 29 | 40 | 37,8 | 22 | 19 |
| 250 | 17,3 | 32,8 | 38,3 | 36,3 | 20 | 17 |
| 300 | 16,8 | 36,4 | 37,1 | 34,1 | 18,5 | 15,5 |
| 500 | 15,2 | 48,9 | 33,8 | 30,8 | 14 | 11 |
| 550 | 14,9 | 51,8 | 33,2 | 31,2 | 12,9 | 9,9 |

OTHER CHARACTERISTICS

Reaction to fire: Eca;
EN 50575:2014+A1: 2016
FIRE BEHAVIOUR: IEC60332-2



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