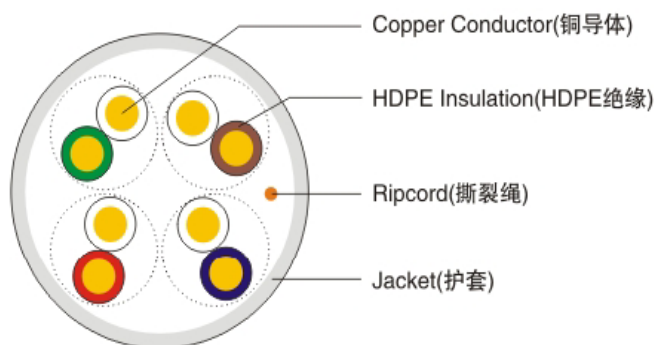


100 Ω CAT5 UTP 4pairs cable category5 - 100MHz - Eca PVC sheath



CABLE DESCRIPTION

| 1-CONDUCTOR | PARAMETER | UNIT | VALUE |
|--------------------------------------|---|-------|--------|
| TYPE: -Bare copper | Max.linear tesistance. | Ω/km | ≤115 |
| DIAMETER:7x0.15mm±0.005mm | Mutual capacity(nom.) | pF/m | 56 |
| AWG: 26 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:0.75mm±0.05mm | Marking | | |
| 3-SYNTHETICAL SEPARTION FOIL: | CAT 5e U/UTP unshielded 4x2xAWG26/7 CU STRANDED 100 OHM 100MHz EIA-TIA 568 ##904## CPR | | |
| 4-DRAIN WIRE: | | | |
| 5-SHIELDING: | | | |
| 6-RIP CORD | | | |
| YES | | | |
| 7-OUTER JACKET | | | |
| TYPE: Eca PVC | | | |
| COLOUR: GREY | | | |
| THICKNESS: 0.5mm±0.05mm | | | |
| EXTERNAL DIAMETER: 4.8 mm±0.5mm | | | |

Test Request: FLUKE channel 60m

ELECTRICAL CHARACTERISTICS

| Frequency (MHz) | Return loss(dB) | Attenuation (dB/100m) | NEXT (dB) | PSNEXT (dB) | ELFEXT (dB) | PSELFEX T (dB) |
|--------------------|--------------------|--------------------------|--------------|----------------|----------------|-------------------|
| 1 | 20,0 | 2,0 | 62,3 | 62 | 60,8 | 61 |
| 4 | 23,0 | 4,1 | 53,3 | 53 | 48,8 | 49 |
| 10 | 25,0 | 6,5 | 47,3 | 47 | 40,8 | 41 |
| 16 | 25,0 | 8,2 | 44,2 | 44 | 36,7 | 37 |
| 20 | 25,0 | 9,3 | 42,0 | 43 | 34,8 | 35 |
| 25 | 24,3 | 10,4 | 41,3 | 41 | 32,8 | 33 |
| 31,25 | 23,6 | 11,7 | 39,9 | 40 | 30,9 | 31 |
| 62,5 | 21,5 | 17,0 | 35,4 | 35 | 24,9 | 25 |
| 100 | 20,1 | 22,0 | 32,3 | 32 | 20,8 | 21 |

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:
FIRE BEHAVIOUR:IEC60332-2
PACKING: 100m Cable Reel-spool (68941)
305m Cable-Reel-spool (93292)



Wentronic GmbH
Pillmannstraße 12
38112 Braunschweig