# PCnet Pro Net Enhanced Category 5 Cable

POWER SUM

## Features

- Exceeds draft 5e requirements.
- Improved Power Sum NEXT, ELFEXT and Power Sum ACR performance.
- Backward-compatibility with all CAT.5 products and applications.
- Guaranteed full-duplex Crosstalk values

## Standards

- ISO/IEC 11801
- CENELEC EN 50173
- ANSI/TIA/EIA 568-A Category 5, 5e
- NEMA WC63.1
- CM, CMR, IEC 332-1

**Electrical Performance :** **(100meters cable Data)**

| | |
|---|---|
| Characteristic Impedance (1 ~100MHz) : | 100 ± 15Ohms |
| Mutual Capacitance (Max.) : | 5.0nF/100m |
| Capacitance, unbalance (Max.) : | 330pF/100m |
| Propagation Delay : | 0.70c(Solid) ; 0.66C(Stranded) |
| ACR (Solid) : | Min. 10dB at 125MHz ; Nominal 10dB at 170MHz |

| Part No. | Cable Type | Conductor AWG Stranding | Insul. Type Dia./mm | Jacket Type Dia./mm | Packing m |
|---|---|---|---|---|---|
| 65504A | 4PAIR UTP | 24AWG BC 1/0.52mm | Polyolefin 0.94mm | 5.0mm | *U305 **RB305 |
| 65704A | 4PAIR FTP | 24AWG BC 1/0.52mm | Polyolefin 0.98mm | 5.9mm | U305 RB305 |
| 65904A | 4PAIR STP | 24AWG BC 1/0.52mm | Polyolefin 1.00mm | 6.2mm | U305 RB305 |
| 65604A | 4PAIR UTP | 24AWG BC 7/0.2mm | Polyolefin 0.98mm | 5.5mm | U305 RB305 |
| 65204A | 4PAIR FTP | 24AWG BC 7/0.16mm | Polyolefin 0.96mm | 5.5mm | U305 RB305 |

*** U : Reelex Packing**
****RB : Reel-in-Box Packing**

**Jacket available in PVC, FRPVC, LSHF version.**
**Jacket color available : Grey, White, Blue, Red, Green, Yellow, Black.**

| Frequency MHz | Attenuation dB/100m Max. | NEXT DB Min. | PS-NEXT DB Min. | RL dB Min. | ELFEXT dB Min. | PS-ELFEXT dB Min. |
|---|---|---|---|---|---|---|
| 1.0 | 2.0 (2.4) | 65 (65) | 62 (62) | 19 (19) | 64 (64) | 61 (61) |
| 4.0 | 4.1 (4.9) | 56 (56) | 53 (53) | 21 (21) | 52 (52) | 49 (49) |
| 10.0 | 6.5 (7.8) | 50 (50) | 47 (47) | 22 (22) | 44 (44) | 41 (41) |
| 16.0 | 8.2 (9.8) | 47 (47) | 44 (44) | 22 (22) | 40 (40) | 37 (37) |
| 20.0 | 9.3 (11.1) | 46 (46) | 43 (43) | 22 (22) | 38 (38) | 35 (35) |
| 25.0 | 10.4 (12.5) | 44 (44) | 41 (41) | 22 (22) | 36 (36) | 33 (33) |
| 31.25 | 11.7 (14.1) | 43 (43) | 40 (40) | 21 (21) | 34 (34) | 31 (31) |
| 62.5 | 17.0 (20.4) | 38 (38) | 35 (35) | 19 (19) | 28 (28) | 25 (25) |
| 100.0 | 22.0 (26.4) | 35 (35) | 32 (32) | 17 (17) | 24 (24) | 21 (21) |

Patch cable value in parentheses