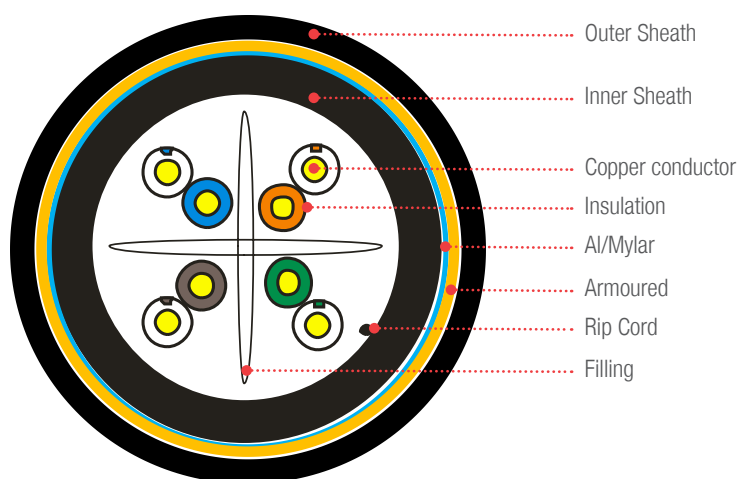


PowerCat™ 6 U/UTP 4 Pair Unshielded –PVC+PE Sheath (Armored) Cable

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The Molex outdoor Category 6 cable contains 4 Pair UTP Unshielded –PVC+PE Sheath(Armored). An additional layer of Heavy-Duty black HDPE outer jacket renders the cable suitable for outdoor installations.



PowerCat™ 6 U/UTP Outdoor Cable

Features and Advantages

Category 6 compliant

PE and PVC Sheathed for greater protection

UV Resistant

Suitable for Outdoor Installations including mild mechanical abuse and rain

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Specifications

REFERENCE INFORMATION

Commercial Standards:

Category 6 ANSI/TIA/EIA 568C.2 ISO/IEC 11801
IEC 61156-5

MECHANICAL

Conductor Size: Solid 0.565 23 AWG
Bare Annealed Copper
Primary Insulation: HDPE
Inner Sheath Type: PVC
External OD: 10.0 ± 1.0 mm
Outer Sheath Type: HDPE (RoHS Compliant)
Armour: Braided steel wires

Cold bend: 8×Cable O.D.(-20±2°C×4h)

Operating Temperature

Installation: 0°C to +50°C

Operation: -20°C to +70°C

ELECTRICAL CHARACTERISTICS:

Characteristic impedance: 100 ± 15Ω

Delay Skew (20°C): ≤45 nS/100m max

DC Resistance (20°C): ≤ 9.5Ω/100m

DC Resistance (20°C) Unbalance: 5.0 % max

PERMANENT LINK TECHNICAL PERFORMANCE(≤80M)

| FREQ (MHz) | RL (≥ dB) | ATT (≤ dB) | NEXT (≥ dB) | Delay (≤ ns) | PS-NEXT (≥ dB) | ELFEXT (≥ dB) | PS-ELFEXT (≥ dB) |
|---------------|--------------|---------------|----------------|-----------------|-------------------|------------------|---------------------|
| 1 | 19.1 | 3.0 | 65.0 | 521.0 | 62.0 | 64.2 | 61.2 |
| 4 | 21.0 | 3.5 | 64.1 | 504.0 | 61.8 | 52.1 | 49.1 |
| 8 | 21.0 | 5.0 | 59.4 | 500.0 | 57.0 | 46.1 | 43.1 |
| 10 | 21.0 | 5.5 | 57.8 | 498.0 | 55.5 | 44.2 | 41.2 |
| 16 | 20.0 | 7.0 | 54.6 | 496.0 | 52.2 | 40.1 | 37.1 |
| 20 | 19.5 | 7.9 | 53.1 | 495.0 | 50.7 | 38.2 | 35.2 |
| 25 | 19.0 | 8.9 | 51.5 | 495.0 | 49.1 | 36.2 | 33.2 |
| 31.25 | 18.5 | 10.0 | 50.0 | 494.0 | 47.5 | 34.3 | 31.3 |
| 62.5 | 16.0 | 14.4 | 45.1 | 492.0 | 42.7 | 28.3 | 25.3 |
| 100 | 14.0 | 18.6 | 41.8 | 491.6 | 39.3 | 24.2 | 21.2 |
| 200 | 11.0 | 27.4 | 36.9 | 490.0 | 34.3 | 18.2 | 15.2 |
| 250 | 10.0 | 31.1 | 35.3 | 490.0 | 32.7 | 16.2 | 13.2 |

Ordering Information

| Series No. | SAP No | Description |
|--------------|-----------|---|
| CAA-00436-BK | 181740175 | PowerCat 6 Cable U/UTP 4pair PVC Black - 305m |

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