

## specifications

Category 6 cable shall meet the ANSI/TIA-568-C.2 and ISO 11801 Class E channel standards. The conductors shall be 24 AWG insulated with polyethylene. The copper conductors shall be twisted in pairs, separated by a cross divider and covered by a LSFRZH jacket.



## technical information

|                                |  |
|--------------------------------|--|
| <b>Part number</b>             | <b>NUY6C04**-CE</b> (** designates jacket color, WH = white)   |
| <b>Electrical performance:</b> | Certified channel performance in a 4-connector configuration up to 100 meters and meets ISO 11801 Class E and ANSI/TIA-568-C.2 Category 6 standards at swept frequencies up to 250MHz. |
| <b>Conductors/insulators:</b>  | 24 AWG solid copper insulated with polyolefin  |
| <b>CPR compliance:</b>         | EN 50575: Euroclass Cca-s1a-d1-a1  |
| <b>Installation tension:</b>   | 25 lbf (110 N)   |
| <b>Temperature rating:</b>     | -4°F to 167°F (-20°C to 75°C) during operation   |
| <b>Cable jacket:</b>           | LSFRZH   |
| <b>Cable diameter:</b>         | 0.232 in. (5.9 mm) nominal   |
| <b>Cable weight:</b>           | 26 lbs./1000 ft. (12kg/305m)   |
| <b>Packaging:</b>              | 1000 ft. (305m) easy payout carton   |

## key features and benefits

|   |  |
|---|--|
| <b>Easy payout carton</b>               | Ensures proper performance and provides quick installation   |
| <b>Descending length cable markings</b> | Print legend contains footage markings from 1000' to 0' (305m to 0m)   |
| <b>Robust design</b>                    | Cross divider separates twisted pairs for robust cable performance   |
| <b>Third party tested</b>               | Cable has been tested as part of the NetKey™ Category 6 U/UTP Copper Cabling System by an independent laboratory |

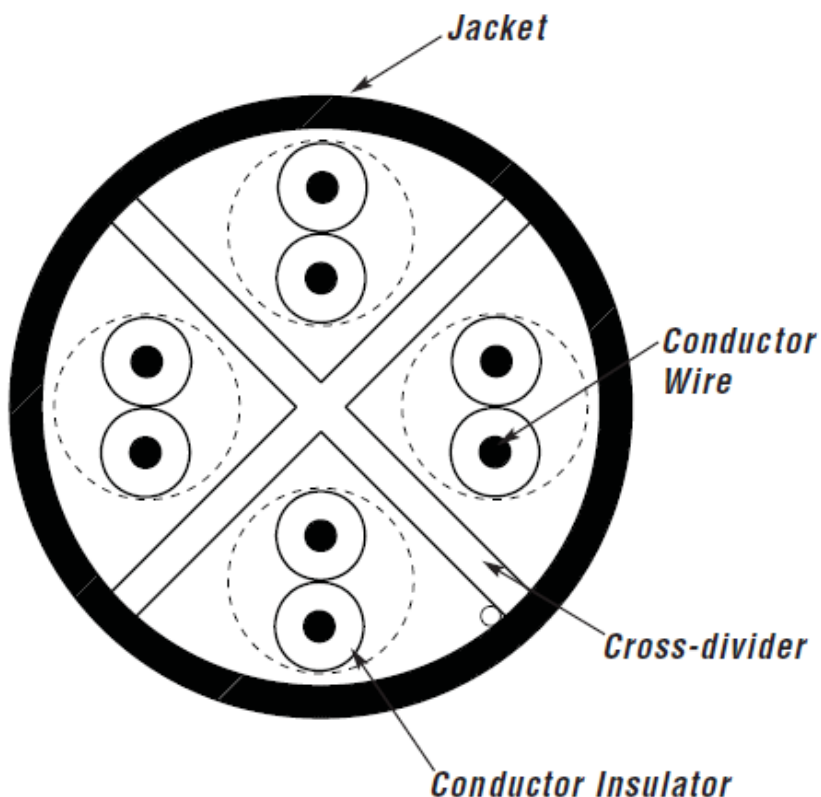
## applications

NX6™ U/UTP Copper Cable is a component of the PANDUIT NX6™ U/UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 250MHz. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)

# NK6™ Category 6 U/UTP Copper Cable

| Mechanical Test                       |                    |
|---------------------------------------|--------------------|
| Ultimate Breaking Strength            | >90 lbf (400 N)    |
| Minimum Bend Radius                   | 4 x Cable Diameter |
| Electrical Test                       |                    |
| Nominal Velocity of Propagation (NVP) | 65% nominal        |



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