



Industry
Straight end, tangential



APPLICATION

Pre-assembled spiral network cable for industry, factory automation, machine engineering and robotics.

The special cable shape offers a wide range of applications. It allows a lot of cable to be accommodated in a small space (saving space) as for test equipment and hand held device connection.



SPECIAL FEATURES

- True Cat5e performance rated Coiled cable assembly with 90° dropped tangents
- Curly, retractable, retractile body has a three times (3x) expansion/retraction ratio with 6 inch straight tangents terminated to standard RJ45 (8x8) plugs
- 26AWG stranded construction with high flex spiral TPU polyurethane jacket for extra flexibility
- Coiled cable has "memory" needed to provide millions of extension/retraction cycles without sacrificing electrical performance; UTP TPU version is tested to 4 million cycles
- Unshielded (UTP) design for economical performance
- extended temperature range: -20°C / +60°C

REMARKS

- Cat.5e patch cable fulfills the requirements for 1 Gbit Ethernet/ 100 MHz
- RJ45 pin assignment according to TIA/EIA T568B
- RJ45 connector: IEC 60603-7 (8x8, unshielded)
- Suitable for cabling standard EN 50173 "application-neutral communication cable systems"
- Special versions, other lengths and cable sheath colours are available on request.

PRODUCT DETAILS

DESIGN

| | |
|----------------------------|------------------------------------|
| Side 1 - Connection | RJ45 - Connector |
| Side 1 - No. of contacts | 8 |
| Side 1 - Cable outlet | Straight |
| Side 1 - End length [mm] | 152 |
| Side 2 - Connection | RJ45 - Connector |
| Side 2 - No. of contacts | 8 |
| Side 2 - Cable outlet | Straight |
| Side 2 - End direction | Tangential |
| Side 2 - End length [mm] | 152 |
| Colour code pin assignment | TIA-568B |
| Contacts gold-plated | yes |
| Cable | Cat.5e Coil Cord UTP High Flex PUR |
| Cable type | UTP |
| Dimension | 4x2xAWG26/7 |
| Outer sheath material | PUR |
| Sheath colour | black |
| Cable outer-Ø [mm] | 6,1 |

INTERFACE PROPERTIES

| | |
|---------------------|----------|
| Category (Ethernet) | Cat.5e |
| Interface type | Ethernet |
| Transmission rate | 1 Gbit/s |
| Bandwidth | 100 MHz |

MECHANICAL & DYNAMIC PROPERTIES

| | |
|-----------------------------------|-------|
| Extension factor | 3 |
| Extension/retraction cycles (mln) | 4 mln |
| Mating cycles | > 750 |

THERMAL PROPERTIES

| | |
|--------------------------------|-----------------|
| Temperature range min/max [°C] | -20 °C / +60 °C |
|--------------------------------|-----------------|

ITEM OVERVIEW

INDULINK® SPIRAL INDUSTRY RJ45 CAT.5e TPU ADV - Tangential

| Item no. [TKD] | Type | Retracted length [mm] | Extended length [mm] | Weight [kg/1.000] | PU [pcs] |
|-------------------|------------------------------------|--------------------------|-------------------------|----------------------|-------------|
| 6009971 | UTP AWG26/7 X3 tangential L=0,15 m | 152 | 457 | 40,1 | 1 |
| 6009972 | UTP AWG26/7 X3 tangential L=0,3 m | 304 | 914 | 100,0 | 1 |
| 6009973 | UTP AWG26/7 X3 tangential L=0,6 m | 609 | 1828 | 150,0 | 1 |
| 6009974 | UTP AWG26/7 X3 tangential L=0,9 m | 914 | 2743 | 230,0 | 1 |
| 6009975 | UTP AWG26/7 X3 tangential L=1,2 m | 1219 | 3657 | 300,0 | 1 |
| 6009976 | UTP AWG26/7 X3 tangential L=1,5 m | 1524 | 4572 | 380,0 | 1 |
| 6009977 | UTP AWG26/7 X3 tangential L=1,8 m | 1828 | 5486 | 450,0 | 1 |
| 6009978 | UTP AWG26/7 X3 tangential L=2,1 m | 2133 | 6400 | 530,0 | 1 |
| 6009980 | UTP AWG26/7 X3 tangential L=2,4 m | 2438 | 7315 | 600,0 | 1 |

DETAIL VIEWS

>> Tangential

