



ACT DC7301 networking cable Purple 1 m Cat6a U/FTP (STP)

Brand : ACT  
Product code: DC7301  
Product name : DC7301

Purple, 1 m, LSZH, U/FTP, CAT6A, RJ45 connectors

ACT DC7301 networking cable Purple 1 m Cat6a U/FTP (STP):

CAT6A U/FTP slimline datacenter ethernet cables are smaller in diameter (3.8mm vs 5.9mm) than regular CAT 6A patch cords. The bending radius is lower in comparison with regular patch cords. This results in a better airflow in the server rack/network cabinet.

Although, ISO/IEC and TIA standards describe the use of patch cords between 22 and 26 AWG, it is possible to use 32 AWG patch cables. This results in a higher attenuation, particularly at higher frequencies.

ACT advises a maximum bundle size of 24 cables in PoE applications. In this case the temperature of the cables, that are delivering PoE deployments, will not increase. The standard, ANSI TSB-184-A, limits the maximum temperature increase, to less than 15 degrees Celsius above the ambient temperature, for the center cable in a bundle.



| Features                   |                               | Features                    |             |
|----------------------------|-------------------------------|-----------------------------|-------------|
| Product colour *           | Purple                        | Conductor material          | Copper      |
| Cable length *             | 1 m                           | AWG wire size               | 32          |
| Cable standard *           | Cat6a                         | Frequency                   | 500 MHz     |
| Cable shielding *          | U/FTP (STP)                   | Bend radius (min)           | 1.5 cm      |
| Connector 1 *              | RJ-45                         | Operational conditions      |             |
| Connector 2 *              | RJ-45                         | Operating temperature (T-T) | -20 - 75 °C |
| Connector 1 gender *       | Male                          | Weight & dimensions         |             |
| Connector 2 gender *       | Male                          | Outer diameter              | 3.8 mm      |
| Connector 1 form factor    | Straight                      | Packaging data              |             |
| Connector 2 form factor    | Straight                      | Quantity per pack           | 1 pc(s)     |
| Connector contacts plating | Gold                          | Technical details           |             |
| Jacket material            | Low smoke zero halogen (LSZH) | Sustainability compliance   | ✓           |
| Cable shape                | Round                         | Sustainability certificates | CE, RoHS    |
|                            |                               | Warranty period             | 5 year(s)   |



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