

## Twisted Pair Stranded Patch Cable - Category 6 Class E - U/UTP



### Abstract

CAT 6 Class E, U/UTP, Twisted Pair Stranded Patch Cable, 250 MHz

### Application areas

Primary (Campus), Secondary (Riser), Tertiary (Horizontally)  
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T  
IEEE 802.5: 16 MB; ISDN; FDDI; ATM; PoE

### Norms

ANSI/TIA 568-C; ISO/IEC 11801 2<sup>nd</sup> Ed.; EN 50173; EN 50288-6-1

### Physical Properties

Conductor	Bare copper, stranded 26 AWG 7/016
Insulation	HD-PE (High Density Polyethylene)
Total number of insulated conductors	8, twisted in 4 pairs
Color code	Blue-white, orange-white, green-white, brown-white
Individual pair shielding	None
Overall shielding	None
Outer sheath	E <sub>CA</sub> to B <sub>2CA</sub> acc. to EN 50575
Outer sheath diameter (nominal)	0.5 mm (E <sub>CA</sub> ); 0.6 mm (D <sub>CA</sub> ); 1.0 mm (C <sub>CA</sub> ); 1.0 mm (B <sub>2CA</sub> )
Outer sheath color	Purple

### Mechanical Properties

Tensile loading	150 N max.
Dynamic bending radius	8x AD mm min.
Static bending radius	4x AD mm min.
Shipping- and storage temperature range	-20 °C up to +60 °C
Operating temperature range	-20 °C up to +75 °C
Installations temperature range	0 °C up to +50 °C
Overall diameter (nominal)	6.1 mm (E <sub>CA</sub> ); 6.3 mm (D <sub>CA</sub> ); 6.8 mm (C <sub>CA</sub> ); 6.8 mm (B <sub>2CA</sub> )
Weight (kg/km)	41 kg (E <sub>CA</sub> ); 42 kg (D <sub>CA</sub> ); 44 kg (C <sub>CA</sub> ); 44 kg (B <sub>2CA</sub> )



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