

# CAT6\_CU\_U007\_305\_PE

Spacetronek CU CAT6 AWG24 U/UTP ISO11801 PVC+PE Fca



## Physical properties:

Conductor: Bare annealed copper, solid AWG 24/1  
 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 shield: None  
 Overall shielding: None  
 Outer sheath: Eca/Dca/Fca  
 Outer sheath diameter (nominal): 0,5 mm (Eca); 0,6 mm (Dca)

## Mechanical properties:

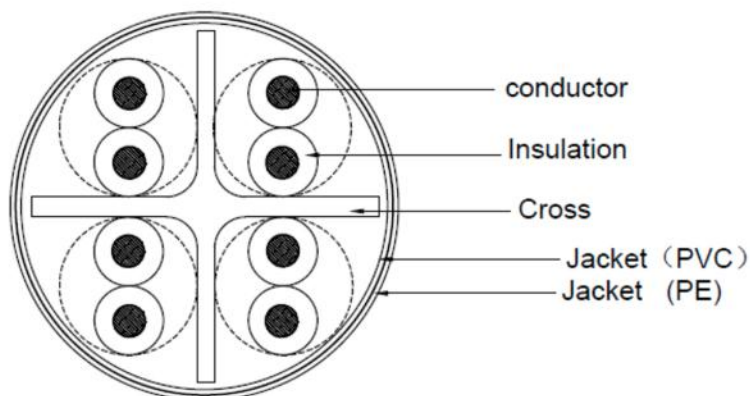
Tensile loading: 150N max.  
 Shipping- and storage temperature range: -20 °C up to +60 °C  
 Operating temperature range: -20 °C up to +75 °C  
 Installation temperature range: 0 °C up to +50 °C  
 Overall diameter Simplex (nominal): 6,1 mm (Eca); 6,3 mm (Dca)  
 Weight (kg/km): 41 kg (Eca); 42 kg (Dca)

## Electrical properties:

Impedance: 100±50Ω @ 1 - 250MHz  
 Capacitance: 40 pF/m nominal @ 800 Hz  
 Capacitance unbalance (pair-ground): 1.5 pF/m max. @ 1 KHz  
 Insulation resistance: 5 GΩ x km min.  
 DC loop resistance: 147 Ω/km max. (2% max. resistance unbalance)  
 Voltage resistance: 72 Vdc max.  
 Signal propagation delay: 535 nS/100 m max.  
 Propagation delay: 20 nS/100 m max.  
 NVP: 69%

## General specification:

Category: CAT6  
 Cable structure: U/UTP  
 Conductor: 24AWG 1/0.53BC  
 Insulation: HD-PE  
 Jacket: LD-PE  
 OD: 6.3±0.2mm  
 CPR Class: Fca  
 Color Black RAL9005




## Deklaracja właściwości użytkowych

Hereby DMTrade Mikołaj Tomaszewski declares under our sole responsibility that cables are in conformity with following directives: EMC (2014/30/EU), RoHS (2011/65/EU + 2015/863/EU). Full document (declaration of conformity) is available for download from [www.dmtrade.pl](http://www.dmtrade.pl).

Niniejszym DMTrade Mikołaj Tomaszewski oświadcza, że kable są zgodne z zasadniczymi wymaganiami oraz innymi stosownymi postanowieniami poniżej wymienionych dyrektyw: EMC (2014/30/UE), RoHS (2011/65/UE + 2015/863/UE). Pełna deklaracja zgodności CE znajduje się na stronie [www.dmtrade.pl](http://www.dmtrade.pl).

EN 50581:2012; IEC 62321-4:2013 + A1:2017  
 IEC 62321-5:2013; IEC 62321-6:2015;  
 IEC 62321-7-1:2015; IEC62321-7-2:2017;  
 IEC 62321-8:2017;



Owner - Mikołaj Tomaszewski

## ISO11801 Fluke Channel Test @ 90m Fluke Channel Test @ 90m ISO11801 Class E

