

# ERAT CAT 6A S/FTP 28 AWG Data Patch Cord



## Standards

- Flame test: comply with IEC 60332-1-2
- ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D

### Physical Properties

Basic Conductor	Flexible, 28AWG, 7x0,16 mm, annealed bare copper.
Wire Insulation	Polyolefin
Number of insulated conductors	8, twisted in 4 pairs.
Color Code of Pairs	Orange x White/Orange, Green x White/Green, Blue x White/Blue, Brown x White/Brown
Individual pair shield	Polyester-aluminum foil (foil side to the outside) provides 100% protection
Overall shield	Tinned copper braid laid in close contact with the individual foil shields
Outer Jacket	LS0H Halogen free flame retardant
RJ45 Plug	Plug Contact Material 2.54µm (100µ-inch) Nickel over 1.27µm (50µ-inch) gold covering
Cable OD	3,6 ± 0.2 mm

### Electrical and Mechanical Properties

Conductor Resistance	280 Ohm/km Max
Insulation Resistance	-
Characteristic Impedance	100 ± 15 Ohm @ 1-500 MHz
Contact Resistance	20 mOhm max.
Resistance unbalance	2% max
Dielectric strength	1000 volts/1 minute min rms
Cable to Plug Tensile Strength	9 Kgf (90N) min
Durability	1200 plug - in - out
Temperature operating range	-25°C to +70°C