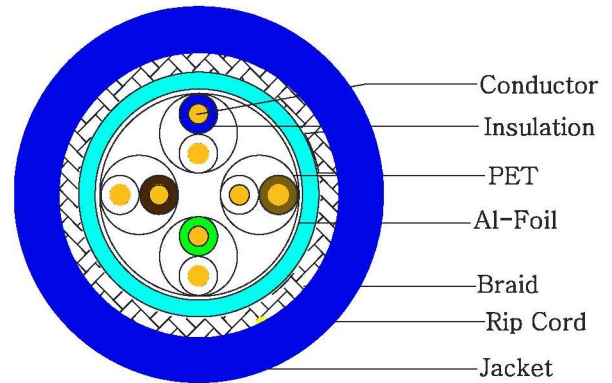


SF/UTP Cat5E LSZH HSYZP5E cable specification

Description

Solid annealed copper conductor
 PE insulation
 PET tape
 Al-foil +braid wire screen
 LSZH jacket

Cross section



Description

Conductor

Material Solid annealed copper
 Nom.diameter(mm) 0.51±0.01

Insulation

Material PE
 Nom.diameter(mm) 1.0±0.08

Twisted pairs

Color code

1. White(Blue)-Blue
2. White(Orange)-Orange
3. White(Green)-Green
4. White(Brown)-Brown

Stranding construction 1*4
 PET tape 0.025mm
 Shield Al-foil
 Nominal thickness(mm) 0.05
 Braid wire Tinned copper
 Coverage 40%
 Jacket
 Material LSZH
 Nom.thickness (mm) 0.55
 Color Blue
 Outer diameter(mm) 6.8±0.3

Printing

According to customer

Electrical characteristics(20℃)

Single conductor resistance@20℃ ≤9.5Ω/100m
 Pair DC resistance unbalance ≤2.5%
 Insulation resistance(20℃,DC 500V/1 min) ≥5000 MΩ·km
 Dielectric strength between conductors 1kV.DC.1min
 Mutual capacitance ≤5.6nF/100m

Cat5E pass the channel test

Mechanical characteristics (20℃)

Conductor elongation at break ≥15%
 Insulation elongation at break ≥300%
 Operating temperature -15~60℃

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