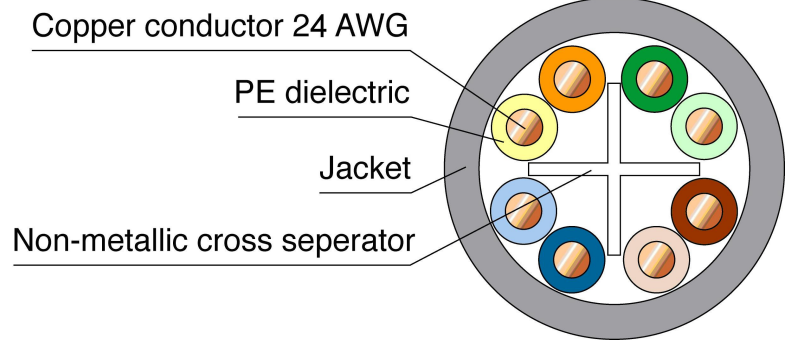


WWR'Mcvgi qt k8'hædgrl'  
urko 'xgt ukqp'j cni gplk'""  
Ct vþt 0DDMBWIMCTV  
.....



## Reference Standards

IEC 61156-5; EN 50288-6-1 ; TIA/EIA 568 -C.2

## Construction

<b>Conductor</b>	Bare copper wire 1 x 0.526 +0/-0.02 mm (AWG24)
<b>Insulation</b>	Polyethylene, 0.95 +/-0.05 mm
<b>Twisting</b>	4 twisted pairs, 2 single conductors paired, Twisted pair color code: 1: white-blue/blue                      2: white-orange/orange 3: white-green/green                    4: white-brown/brown
<b>Cable lay up</b>	4 pairs with different pitches Non-metallic cross separator (spine)
<b>Outer diameter</b>	5.3 +0/-0.2 mm

## Mechanical Properties

<b>Bending radius</b>	≥ 4xOD without load ≥ 8xOD with load
<b>Temperature range,</b>	
<b>during operation</b>	-20°C up to 60°C
<b>during installation</b>	0°C up to 50°C

## Electrical Properties (at 20°C ± 5°C)

<b>DC resistance</b>	max. 9.38 Ω / 100m at 20°C
<b>Resistance unbalance</b>	max. 2 % at 20°C
<b>Insulation resistance (500 V)</b>	min. 5000 MΩ/Km at 20°C
<b>Mutual capacitance</b>	nom. 5.1 nF / 100 m at 1 kHz
<b>Capacitance unbalance (pair to ground)</b>	max. 160 pF / 100 m at 1 kHz
<b>Nominal velocity of propagation</b>	nom. 67 %
<b>Test voltage (DC, 1 min)</b>	1 kV / 1 min

## P/N and Marking

Material	C P/N	Length Packing	Marking	Color	Color	Fire Rating
LSZH	BBK6U/KART	305M/Easy Reel in box	ALCADON SLIM BBK6U ETL VERIFIED TIA/EIA 568C.2 CAT 6 U/UTP LSZH 4 PAIR 24AWG XXXXXXXXXX (BATCH CODE) xxxM (circulating length mark in meters)	Blue	RAL 9003 White	IEC 60332-1 Dcas2d2a1