

Details



Packaging



Standard Compliances

- 1 **ANSI/TIA**
 - ANSI/TIA-568-C.2 Cat.6
- 2 **ISO/IEC**
 - IEC 11801 Edition 2 Class E
 - IEC 61156-5
 - IEC 60332-1-2 (Flame Retardancy)
- 3 **CENELEC**
 - EN 50173-1:2007
 - EN 50288-6-1

Approvals

- 1 **CPR**
 - EN 50575 : 2014
 - Classification: Eca
- 2 **RoHS & REACH**
 - 2011/65/EU

Construction & Characteristics

- 1 **Conductors**
 - Pairs: 4x (4x2)
 - AWG: AWG23
 - Material: Bare copper, Solid
- 2 **Insulation**
 - Material: HDPE
 - Thickness: 0.226mm (nomimal)
 - Diameter: 1.011mm (nomimal)
 - Colors: Orange/White Orange, Green/White Green
Blue/White Blue, Brown/White Brown
- 3 **Jacket**
 - Material: LSZH, LSOH (Low Smoke, Zero Halogen)
 - Thickness: 0.5mm (nomimal)
 - Diameter: Ø 6.1mm (± 0.2mm)
 - Color: Light Grey
- 4 **Marking**

EECONN CAT.6 U/UTP LSZH SOLID 23AWGX4P
ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 CLASS E
IEC 61156-5 | EN 50288-6-1 | IEC 60332-1-2 | EN 50575 : 2014
XXXM

Electrical Performances

Attenuation & Near End Cross Talk			
Frequency MHz	Max. Attenuation dB/100 meters	NEXT dB, Min.	PSNEXT dB, Min.
1 MHz	1.9	65.0	62.0
4 MHz	3.5	64.1	61.8
10 Mhz	5.5	57.8	55.5
16 MHz	7.0	54.6	52.2
20 MHz	7.9	53.1	50.7
31.25 MHz	10.0	50.0	47.5
62.50 MHz	14.4	45.1	42.7
100 MHZ	18.6	41.8	39.3
200 MHz	27.4	36.9	34.3
250 MHz	31.1	35.3	32.7
Impedance	1~100 Mhz 100~250 MHz	: 100Ω ± 15% : 100Ω ± 15%	
Dilectric Strength of Insulation		: 2500 V dc / 2 seconds	
Insulation Resistance Test		: Min. 5000 MΩ·Km	
Conductor Resistance		: Max. 7.32 Ω/100m at 20°C	
Resistance Unbalanced		: Max. 2%	
Capacitance Unbalanced		: Max. 160 pF/100m	
Mutual Capacitance		: Max. 5600 pF/100m	

Part number	Description
S14D-000-23703	EECONN, Cat6 U/UTP Cable, Solid (Horizontal Cable), AWG23, Jacket: LSZH, Color: Light Grey, Box: 305 meter

Standard wiring according TIA 568 B

1	2	3	White/Orange
2	3	6	Orange
3	6	1	White/Green
6	1	2	Green
4	5	4	Blue
5	4	5	White/Blue
7	8	7	White/Brown
8	7	8	Brown