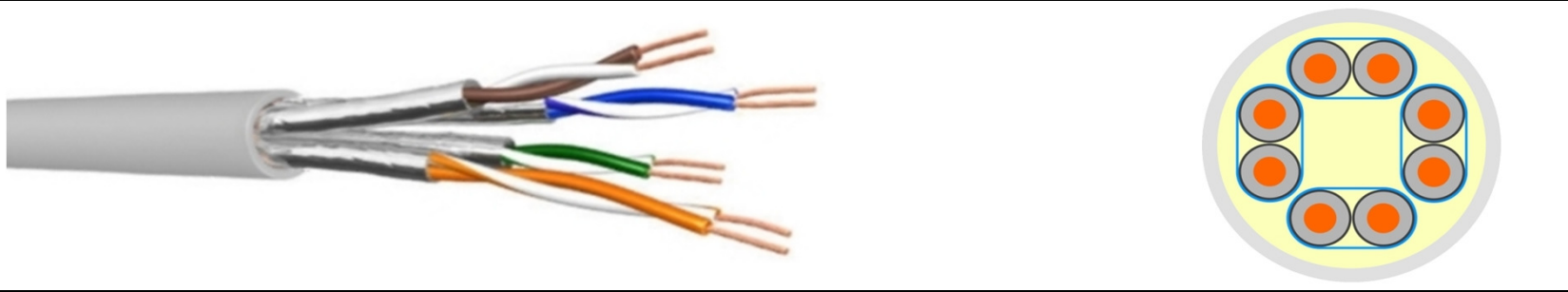


Details



Packaging



Standard Compliances

- 1 *ANSI/TIA*
 - ANSI/TIA-568-C.2 Cat.6A
- 2 *ISO/IEC*
 - IEC 11801 Edition 2 Class EA
 - IEC 61156-5 Edition 2
 - IEC 61935-1 Edition 3
 - IEC 60332-1-2 (Flame Retardancy)
- 3 *CENELEC*
 - EN 50173-1
 - EN 50288-10-1

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
 - Screen: Aluminium Mylar tape (per pair)
- 2 *Insulation*
 - Material: Foam Skin PE
 - Thickness: 0.419mm (nominal)
 - Diameter: 1.420mm (nominal)
 - 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 (nominal)
 - Diameter: Ø 7.4mm (± 0.2mm)
 - Color: Light Grey
- 4 *Marking*

EECONN CAT.6A U/FTP LSZH SOLID 23AWGX4P
ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 CLASS EA
IEC 61156-5 | EN 50288-10-1 | 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	2.1	74.3	72.3
10 Mhz	5.9	59.3	57.3
100 MHz	19.1	44.3	42.3
200 MHz	27.6	39.8	37.8
250 MHz	31.1	38.3	36.3
300 MHz	34.3	37.1	35.1
400 MHz	40.1	35.3	33.3
500 MHz	45.3	33.8	31.8
Impedance	1~100 Mhz 100~500 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-000-45705	EECONN, Cat6A U/FTP Cable, Solid (Horizontal Cable), AWG23, Jacket: LSZH, Color: Light Grey, Reel: 500 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