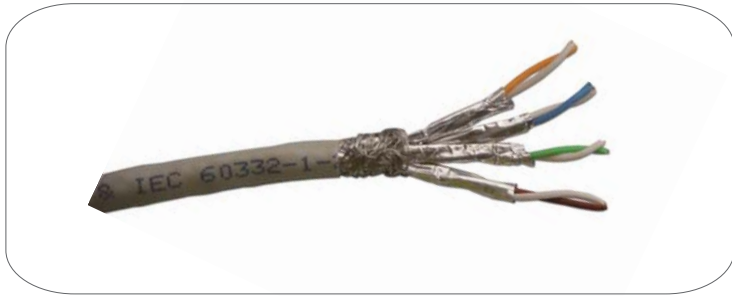


Cat.6A 4 Pair S/FTP Solid Cable PVC



Standards

- UL Listed
- CENELEC EN 50173-1, CENELEC EN 50288-10-1 for horizontal cable
- ISO/IEC 2nd Edition 11801 Class EA
- IEC 3rd Edition 61935-1, IEC 2nd edition 61156-5 for horizontal cable
- All proposed Category 6A Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standard ANSI/TIA-568-C.2 Cat.6A
- 3P Certified for Category 6A S/FTP installation Cable
- Flame Retardancy is verified according to IEC 60332-1-2
- Implemented ROHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

Applications

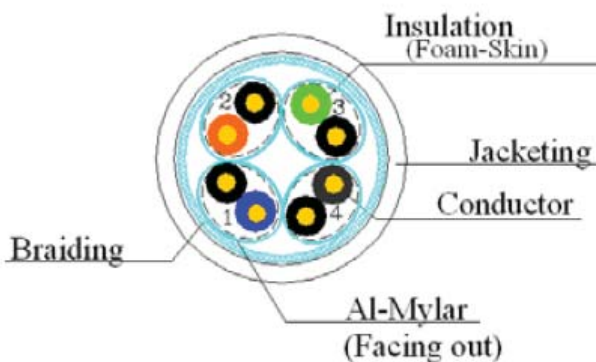
- 10GBASE-T Ethernet
- 100BASE-TX Fast Ethernet
- 1000BASE-TX Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- 10BASE-TX Ethernet
- ATM CB1G
- 155/622 Mbps ATM
- 100 Mbps TP-PMD
- 100VG-AnyLAN
- 4/16 Mbps Token Ring
- Voice

Cable Structure

- Twisted pair color code:
 - Pair 1> blue, white/blue ring.
 - Pair 2> orange, white/orange ring
 - Pair 3> green, white/green ring
 - Pair 4> brown, white/brown ring
- Conductor: 23AWG solid Bare copper
- Insulation material: Foam-Skin PE
- Insulation diameter : Nominal 1.42±0.05mm
- Insulation thickness:Nominal:0.419
- Insulation Unaged Elongation:Min.100%
- Insulation Unaged Tensile Strength:Min. 0.816 Kg/mm²
- Screen Material:Aluminum-Mylar tape and tinned copper braid
- Number of twist pairs: 4 pairs
- Material of jacket: PVC/LSOH
- Jacket Thickness:Nominal:0.5mm
- Jacket Diameter:Nominal:7.4mm
- Jacket Unaged Elongation:Min.100%
- Jacket tensile strength: min 1.407Kg/mm² (PVC) 0.917Kg/mm² (LSOH)
- Jacket aging at 100°C for 168Hrs:Min. tensile strength: 75%(PVC) 70%(LSOH)
- Jacket aging at 100°C for 168Hrs :Min. elongation retention: 50%(PVC) 75%(LSOH)

Physical Characteristics

- Dielectric Strength of Insulation: 1500 V dc/ 2 seconds
- Insulation Resistance Test:Min. 5000MΩ/Km
- Conductor Resistance:Max.9.38Ω/100m at 20°C
- Resistance Unbalance (Max.) : 2% MAX.
- Mutual Capacitance: 5.6nF/100m
- Capacitance unbalance (Max.): 160 pF/100m
- Mutual Capacitance:Max. 5600pF /100m
- Impedance 64kHz:125Ω 20%
- Impedance 1~500MHz:100Ω 15%



Frequency (MHz)	Max. Attenuation dB/100m	NEXT dB, Min	PSNEXT dB, Min
1MHz	2.1*	74.3*	72.3*
10MHz	5.9*	59.3*	57.3*
100MHz	19.1*	44.3*	42.3*
200MHz	27.6*	39.8*	37.8*
250MHz	31.1*	38.3*	36.3*
300MHz	34.3*	37.1*	35.1*
400MHz	40.1*	35.3*	33.3*
500MHz	45.3*	33.8*	31.8*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:
 $NEXT \geq 31 - 50 \log_{10}(f \text{ MHz} / 330)$

Ordering Information

Part No.	Description	Jacket	Std Pkg Qty
1105-06001	LAN twisted pair cable.Cat.6A.4P.S/FTP.23AWG Solid	PVC gray	305M/R Wooden drum
1105-06002	LAN twisted pair cable.Cat.6A.4P.S/FTP.23AWG Solid	LSZH gray	305M/R Wodden drum

Note Specifications are subject to change without any notice or obligation on the part of the manufacturer.