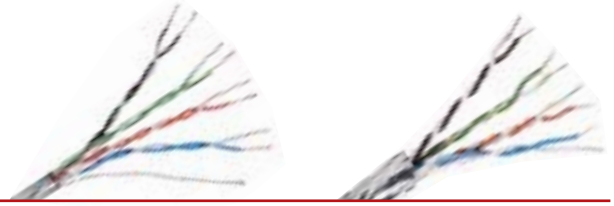


LAN Cable Category 5e | Class D⁺



In Compliance with:

All Proposed Category 5e requirements as per
ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards
2nd Edition ISO/IEC 11801 Cat.5e
2nd Edition EN 50173 Cat.5e
ANSI TIA/EIA 568-A-5 Cat.5e
CENELEC EN 50288-2 (for screened cable) Cat.5e
CENELEC EN 50288-3 (for unshielded cable) Cat.5e

Applications

Voice, T1, ISDN, 10BASE-T (IEEE 802.3), 100BASE-T
(IEEE 802.3) Fast Ethernet, 100 VG - anyLAN
(IEEE802.12), 155/622 Mbps ATM, 550 MHz Broadband
Vedio, 1000BASE-T Gigabit Ethernet

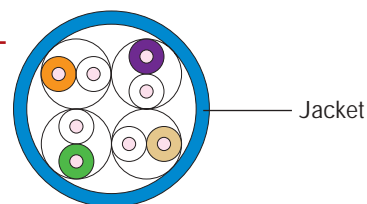
Configuration

1/0.50mm, 24AWG Solid Copper, Horizontal Cable
7/0.20mm, 24AWG Stranded Copper, Patch Cable (UTP)
7/0.16mm, 26AWG Stranded Copper, Patch Cable
(UTP/FTP/SFTP)
UL Listed Type CM/CMR
Jacket PVC/LSOH Versions (IEC 332.3 Cat.C)

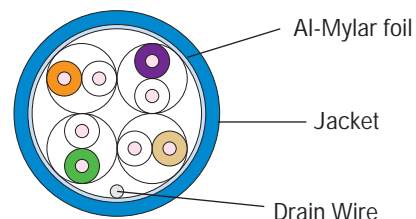
Features

Next Generation of Generic Cabling System
Four Pair full Duplex Application
Higher ACR value
Pair-to-Pair and Power Sum NEXT
Pair-to-Pair and Power Sum ACR
Pair-to-Pair and Power Sum ELFEXT
Return Loss
Propagation Delay
Delay Skew
LCL/LCTL
EMC Performance – Screening Attenuation, Coupling
Attenuation, and Transfer Impedance

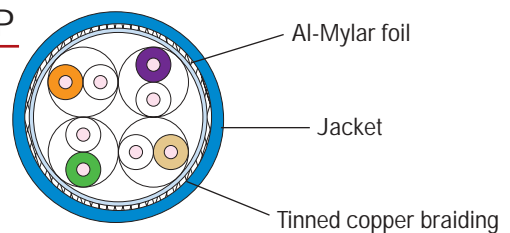
UTP



FTP



SFTP





Mechanical Characteristics

Part No.	Art.No.	No. of Pair	Conductor Diameter	Nominal Core Diameter	Nominal Outer Diameter	Insulation Material	Sheath Material
U125H424-A	40141x	4	26AWG 1/0.5mm	0.90mm	5.3mm	HDPE	PVC
F125H424-A	40342x			1.03mm	5.6mm	HDPE	PVC
F125H424-C	40244x					FRHDPE	LSOH
SF125H424-A	402421			5.7mm	HDPE	PVC	
SF125H424-C	40262x				FRHDPE	LSOH	
U125P426-A	10043x			26AWG 7/0.16mm	0.84mm	5.1mm	HDPE
F125P426-A	40143x		0.90mm		5.6mm	HDPE	PVC
F125P426-C	40144x					FRHDPE	LSOH
SF125P426-A	40243x		HDPE		PVC		
SF125P426-C	40244x		FRHDPE		LSOH		

Electrical Characteristics

Impedance:	100 Ohm ± 15%	Prop. Velocity (min.):	0.65C
D.C.R. (max.):	9.38 Ohm/100m <24AWG>	Prop. Delay Skew (max.):	40nS/100m
	14.8 Ohm/100m <26AWG>	Mutual Capacitance (max.):	5.58nF/100m
D.C.R. unbalance (max.):	2%	Capacitance, unbalance (max.):	160pF/100m
Transfer Impedance (max.):	50mOhm/m @ 1MHz; 100mOhm/m @ 10MHz (for shielded cable)		

Frequency (MHz)	Attenuation (dB/100m)	*Attenuation (dB/100m)	**Attenuation (dB/100m)	NEXT (dB)	NEXT Power Sum(dB)
	max.	max.	max.	min.	min.
.772	1.8	2.2	2.7	67	64
1	2.1	2.4	3.1	65.3	62
4	4.1	4.9	6.4	56.3	53
10	6.5	7.8	9.9	50.3	47
16	8.26	9.8	12.3>	47.3	44
20	9.3	11.1	13.8	45.8	42
31.25	11.8	14.0	17.7	42.9	39
62.5	17.0	20.4	25.6	38.4	35
100	22.0	26.4	33.0	35.3	32
125	24.9	29.9	37.4	33.9	31