

CAT 8 4-PAIR 22 AWG SHIELDED SOLID COPPER CABLE

Description

RFI Cat 8 S/FTP consist of 4 pairs of 22 AWG solid bare copper conductors insulated with Foam/Skin PE insulation. Each pair is precisely twisted and surrounded by a Aluminium foil to prevent crosstalk. The cable is covered with CM polyvinyl Chloride (PVC) outer jacket with options available for CMR PVC and LSZH jacket.

Application

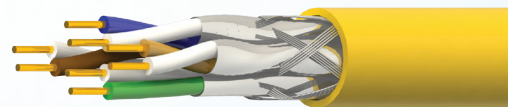
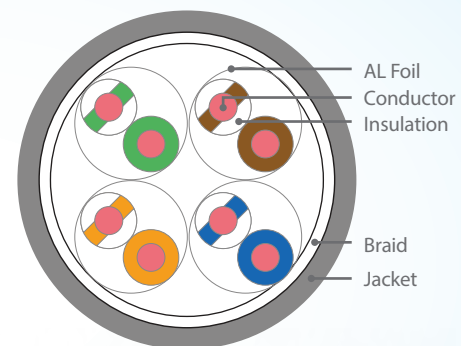
- Data Centers
- Server Rooms
- Gaming
- 25Gbps/40Gbps (30m)
- 10Gbps (100m)

Feature

- 22 AWG solid copper conductor
- FOAM/SKIN PE insulation
- Shielded around four pairs
- (CPR) EuroClass Eca for LSZH jacket
- Power over HDBaseTTM (PoH) applications up to 100 watts

Standard

- ISO/IEC 60332-1-2
- ISO/IEC 11801-1 Class 1
- ANSI/TIA 568.2D
- EN50173-1
- IEC 61034-2 smoke (LSZH)
- IEC 60754-2 halogen (LSZH)



Transimission Performance (30m)

Frequency (MHz)	Return Loss (dB/100m)	Insertion Loss (dB/100m)	NEXT (dB/100m)	ACRF (dB/100m)
1	19.0	3.0	65.0	65.0
100	16.0	6.5	40.5	32.0
250	13.4	10.4	33.6	24.0
500	10.7	15.0	28.4	18.0
600	10.0	16.5	26.2	16.4
1000	8.0	22.0	19.6	12.0
2000	6.2	32.7	9.6	6.0

Compliance

High Frequency Performance	Category	Category 8, Class I & II
	Standard Compliance	ISO/IEC 118.1-1 Class 1, ISO/IEC 60332-1-2, ANSI/TIA-568.2-D
Flame Retardant Standard	Standard Compliance	UL444 CM, CMR, UL-444-LP, UL1666
LSZH Standards	IEC 61034-2, IEC 60754-2	
Environmental Compliance	RoHS	

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Cable Characteristics

Conductor	Material	Bare Copper	
	Structure	22 AWG, 0.64 ± 0.005mm	
Insulation	Material	Foam PE	
	Structure	1.68mm± 0.03mm, Skin-Foam-Skin	
Foil Screen	Material	Aluminium / PET	
	Thickness	50/12µm	
Braid	Material	Tinned copper	
	Structure	Min. 30% coverage	
Rip cord	N/A		
Drain Wire	Material	N/A	
	Structure	N/A	
Sheath	Material	CM / CMR PVC / LSZH	
	Thickness	0.65 ± 0.005mm	
	OD	8.4 ± 0.2mm	
Pulling Tension	Max. 100N		
Bending Radius (without load)	Min. 67.2MM / 8 x Cable Diameter		
Temperature Range	Installation Temperature	0 to 50°C	
	Storage Temperature	-40 to 60°C (Under static conditions)	
	Operation Temperature	-20 to 60°C (Under static conditions)	
DC loopResistance @ 20°C	Max. 6.4 Ohms/100m	Resistance Unbalance @ 20°C	Between pairs: 7% Max
Dielectric Strength	1000 Vdc.		
Propogation delay	Max .165ns @ 2Ghz		
Delay skew	Max .16ns , from 1Mhz to 2Ghz		
POE	60Vdc. 4PPOE 100W, IEEE802.3bt type4		
UL cable votage rating	300V		

Ordering information

Part No.	Description
RCD-80S3644-2yx	Cat 8 4 Pair S/FTP 22 AWG Shielded solid cable, CM, PVC, 500M/ Drum
RCD-80S6644-2yx	Cat 8 4 Pair S/FTP 22 AWG Shielded solid cable, CMR PVC, 500M/ Drum
RCD-80S1644-2yx	Cat 8 4 Pair S/FTP 22 AWG Shielded solid cable, LSZH, 500M/ Drum
RCD-80S3644-4yx	Cat 8 4 Pair S/FTP 22AWG Shielded solid cable, CM PVC, 305M/ Drum
RCD-80S6644-4yx	Cat 8 4 Pair S/FTP 22 AWG Shielded solid cable, CMR, PVC, 305M/ Drum
RCD-80S1644-4yx	Cat 8 4 Pair S/FTP 22 AWG Shielded solid cable, LSZH, 305M/ Drum

*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple

*x = A, D, K, N

*Other length is available upon request.