

S/FTP Cat. 7A PVC 4x2xAWG23 for indoor Applications

Four twisted copper pairs shielded cable suitable for structured premises cabling

Suitable for all Class F applications.

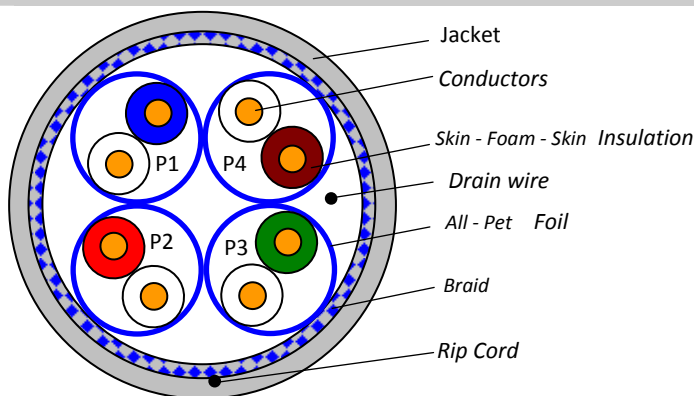
IEEE 802.3 : Ethernet 10 Base-T, Fast Ethernet 100 Base-T, Gigabit Ethernet 1000 Base-T, 10G Base-T

IEEE 802.5 : Token Ring4/16Mbit/s, TP-PMD/TP/DDI 125Mbit/s, ATM 155 Mbit/s

Standard : ISO/IEC 61156-5 ; ISO/IEC 11801

Color identification according to TIA-568A

Pair 1	White / Blue
Pair 2	White / Orange
Pair 3	White / Green
Pair 4	White / Brown



Construction Data	Material	Dimension		
Conductors	Solid Bare Copper	0,56± 0,008	mm	(23 AWG)
Insulation	PEE (Skin-Foam-Skin)	1,38 ± 0,05	mm	
Average Thickness		0,41 ± 0,05	mm	
shielding Pair	Alluminium / Polyester Tape			
Braid	Alluminium wires (16x6x0,12mm)			
Outer sheath	PVC	8,0 ± 0,3	mm	
Rip cord	Nylon			
Drain wire	26AWG TC			
Flame Rate	EN50575	Eca		
Electrical Characteristics		Units		
Impedance [4 – 100] MHz		100 ± 15	Ohms	
[100 – 200] MHz		100 ± 22	Ohms	
[200 – 1000] MHz		100 ± 32	Ohms	
Velocity of propagation		75	%	
Conductor DC Resistance @20°C		≤ 93,8	Ohms / Km	
Pair to Ground Capacitance Unbalance		330	pF/100mt	
Resistance unbalance (Max)		2,5	%	
Transfer Impedance (Max)		10	momhs/mt @ 100 MHz	
Coupling Attenuation		≥ 80	dB	
Mechanical Characteristics		Units		
Operating temperature range		-20 / +60	°C	
Installation temperature		0 / +50	°C	

Nominal Transmission Characteristics

Frequency	S.R.L	Attenuation	Propagation Delay	Delay Skew	NEXT	PSNEXT	ACR-F	PSACR-F
MHz	dB	dB/100m	ns/100m	ns/100m	dB	dB	dB/100m	dB/100m
4	23,0	3,7	552	25	78,0	75,0	78,0	75,0
8	24,5	5,2	547	25	78,0	75,0	77,2	74,2
10	25,0	5,8	545	25	78,0	75,0	75,3	72,3
16	25,0	7,3	543	25	78,0	75,0	71,2	68,2
20	25,0	8,2	542	25	78,0	75,0	69,3	66,3
25	24,3	9,2	541	25	78,0	75,0	67,3	64,3
31,25	23,6	10,3	540	25	78,0	75,0	65,4	62,4
62,5	21,5	14,6	539	25	75,5	72,5	59,4	56,4
100	20,1	18,5	538	25	72,4	69,4	55,3	52,3
200	18,0	26,5	537	25	67,9	64,9	49,3	46,3
250	17,3	29,7	536	25	66,4	63,4	47,3	44,3
300	17,3	32,7	536	25	65,2	62,2	45,8	42,8
400	17,3	38,0	536	25	63,4	60,4	43,3	40,3
500	17,3	42,8	536	25	61,9	58,9	41,3	38,3
600	17,3	47,1	535	25	60,7	57,7	39,7	36,7
700	NA	51,1	535	25	59,7	56,7	NA	NA
800	NA	54,9	535	25	58,9	55,9	NA	NA
900	NA	58,5	535	25	58,1	55,1	NA	NA
1000	NA	61,9	535	25	57,4	54,4	NA	NA

Packaging

Item	Description	Color	Put up	Put up Weight
SDC17A105680	WOODEN_REEL 500M			