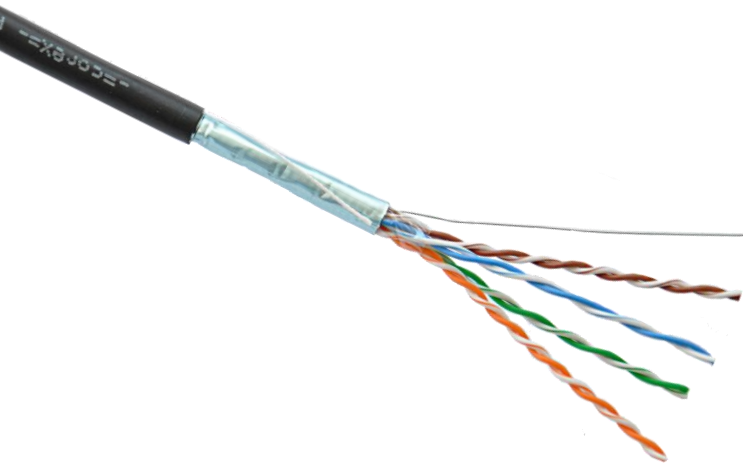


**F/UTP cable, 4x2x24AWG, Category 5E,
100 MHz, Euroclass F_{ca}, PE, 305 m/box**



Item Code: CX-5E-S-PE-FCA



Features:

- supports Gigabit Ethernet
- Pure copper cores
- shielded cable with polyethylene (PE) sheath
- moisture and UV resistance
- complies with the Construction Products Regulation (EU No. 305/2011) and reaction to fire requirements (EN 50575: 2014+A1: 2016)

Application:

- 10BASE-T; 100BASE-TX; 1000BASE-T
- ISO/IEC 11801, ANSI/TIA-568-C
- phone networks, IP CCTV systems
- WiFi systems
- for outdoor use



Cable specifications		
Inner Conductor	solid copper conductors, 24AWG	
Insulation	high density polyethylene, Ø 1,0mm	
Construction	4 twisted pairs	
Sheath	Polyethylene (LDPE), black	
Overall Diameter	6,3±0,3mm	
Minimum bending radius	65mm	
Weight	37,5kg/km	
Temperature range	operation	-30 °C to +60 °C
	installation	0 °C to +60 °C
Max. tensile load	110N	
Reaction to fire	F _{ca}	
Flame retardant	IEC 60332-1-2	
Electrical parameters at 20°C		
Wave impedance	100 ± 15Ω	
Capacitance	<5,6nF/100 m	
Nominal Velocity of Propagation (NVP)	69%	
DC Resistance	9,58Ω/100m	
DC Resistance unbalance	<5%	
Delay skew	≤45ns/100m	
Voltage	60VDC	

F/UTP cable, 4x2x24AWG, Category 5E,
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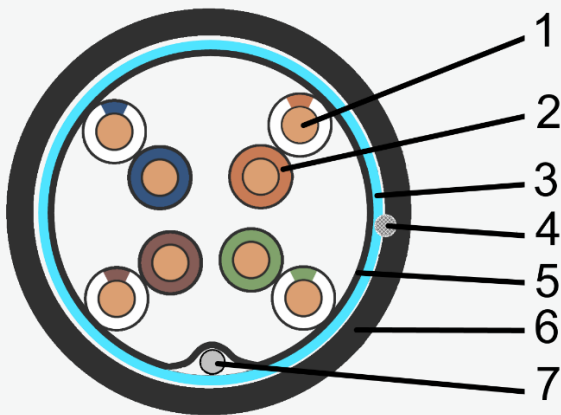


Item Code: CX-5E-S-PE-FCA

Technical Performance (100m)

Frequency, MHz	Return loss, dB	Attenuation, dB	NEXT, dB	PS-NEXT, dB	ELFEXT, dB	PS-ELFEXT, dB
1	19	3	60	57	58,6	55,6
4	19	3,9	54,8	51,8	46,6	43,6
8	19	5,5	50	47	40,6	37,6
10	19	6,2	48,5	45,5	38,6	35,6
16	19	7,9	45,2	42,2	34,5	31,5
20	19	8,9	43,7	40,7	32,6	29,6
25	18	10	42,1	39,1	30,7	27,7
31,25	17,1	11,2	40,5	37,5	28,7	25,7
62,5	14,1	16,2	35,7	32,7	22,7	19,7
100	12	21	32,3	29,3	18,6	15,6

Cross-section diagram:



1. Inner Conductor;
2. Insulation;
3. AL foil shielding;
4. Rip Cord;
5. Polyester tape;
6. Sheath;
7. Drain wire.

This document is subject to change without notice. The current version of datasheet is available in our website.