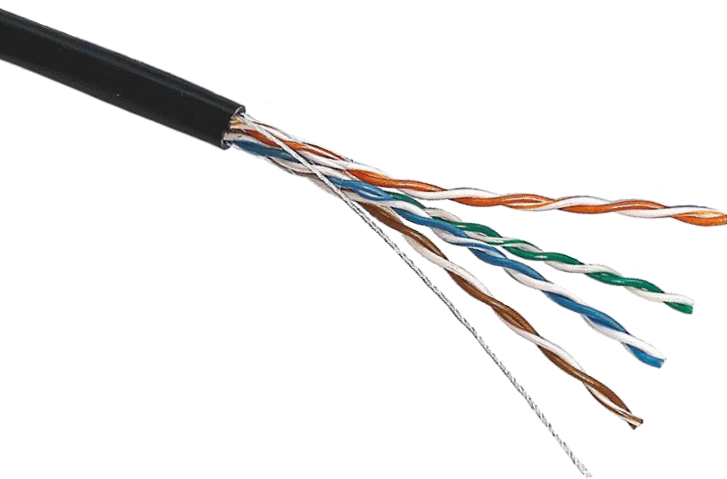


U/UTP cable, 4x2x24AWG, Category 5E, 100 MHz, Euroclass F_{ca}, PE, 305 m/box



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



Features:

- supports Gigabit Ethernet
- Pure copper cores
- unshielded 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 0,9mm	
Construction	4 twisted pairs	
Sheath	Polyethylene (LDPE), black	
Overall Diameter	5,3±0,3mm	
Minimum bending radius	45mm	
Weight	28,5kg/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 ± 20Ω
Capacitance	<5,6nF/100 m
Nominal Velocity of Propagation (NVP)	69%
DC Resistance	9,5Ω/100m
DC Resistance unbalance	<5%
Delay skew	≤45ns/100m
Voltage	60VDC

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

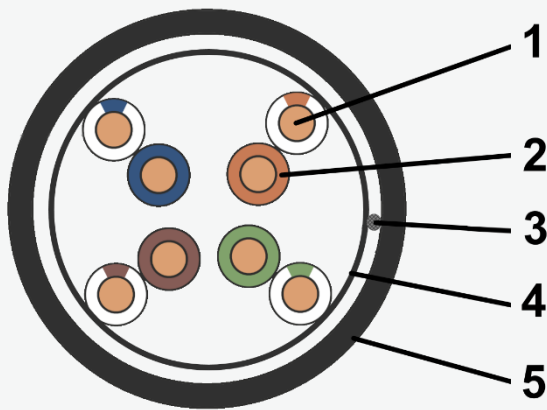
core

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

Technical Performance (100m)

Frequency, MHz	Return loss, dB	Attenuation, dB	NEXT, dB	Delay, ns	PS-NEXT, dB	ELFEXT, dB	PS-ELFEXT, dB
1	20	2	65,3	570	62,3	64	61
4	23	4,1	56,3	552	53,3	52	49
8	24,5	5,8	51,8	546,73	48,8	45,9	42,9
10	25	6,5	50,3	545,38	47,3	44	41
16	25	8,2	47,2	543	44,4	39,9	36,9
20	25	9,3	45,8	542,05	42,8	38	35
25	24,3	10,4	44,3	541,2	41,3	35,8	33
31,25	23,6	11,7	42,9	540,44	39,9	34,1	31,1
62,5	21,5	17	38,4	538,55	35,4	28,1	25,1
100	20,1	22	35,3	537,6	32,3	24	21

Cross-section diagram:



1. Inner Conductor;
2. Insulation;
3. Rip Cord;
4. Polyester tape;
5. Sheath.

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