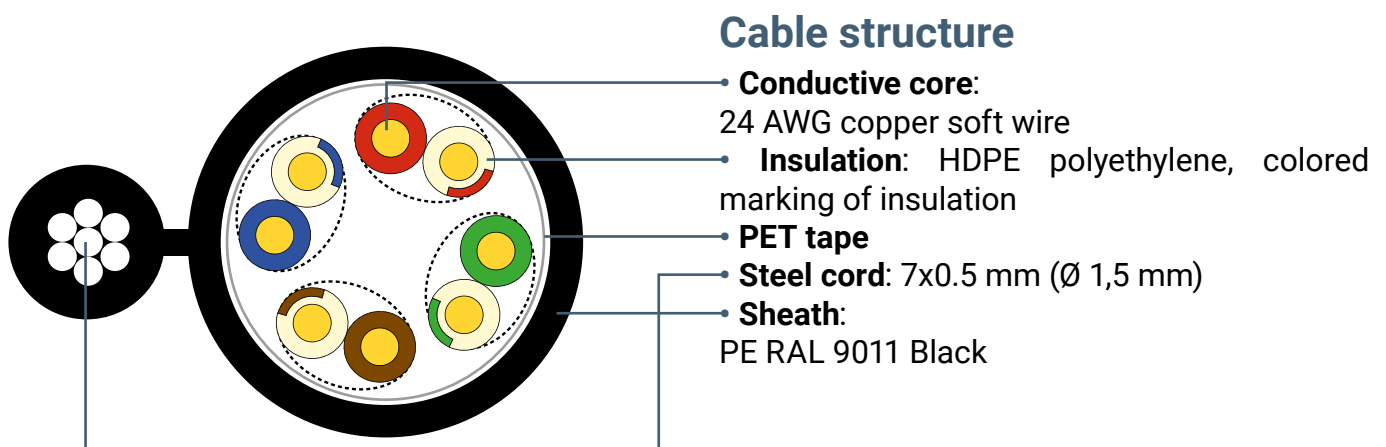


Cat.5e U/UTP PE 4x2x24 AWG with Steel Cord

Application

Multicore and symmetrical twisted pair cable for digital communications:

• Type **Cat. 5e U/UTP 4x2x24AWG PE** with steel cord is designed for structured cabling networks with external laying on overhead lines. This cable type can operate at frequencies up to 100 MHz.



Standards

IEC 61156-5
ISO/IEC 11801-1,
IEC 61156-5
EN 50288-3-1
ANSI EIA/TIA 568.2-D

Specifications

Temperature range: fixed.....	-20°C...+60°C
flexing.....	0°C...+50°C
Tensile strength.....	max. 1200 N
Crushing strength.....	min. 1000 N/10 cm
Impact strength.....	min. 10 impacts
Conductor resistance.....	max. 95 Ω/km
Resistance imbalance.....	max. 2%
Insulation resistance.....	min. 5000 MΩ x km
Capacitance.....	max. 56 pF/m
Capacity imbalance.....	max. 1600 pF/km
Velocity of propagation.....	67-69%
Propagation delay.....	max. 537 ns/100 m
Signal delay.....	max. 45 ns/100 m
Test voltage.....	1000 V
Operating voltage.....	max. 72 V

Fre- quency, MHz	Attenuation [dB/100 m]	NEXT [dB]	PS-NEXT [dB]	ACR [dB/100 m]	PS-ACR [dB/100 m]	ACR-F [dB/100 m]	PS-ACR-F [dB/100 m]	RL [dB]
	max.	min.	min.	min.	min.	min.	min.	min.
1*	2,1	65,3	62,3	63,2	60,2	64,0	61,0	20
4	4,1	56,3	53,3	52,2	49,2	52,0	49,0	23
10	6,5	50,3	47,3	43,8	40,8	44,0	41,0	25
16	8,3	47,2	44,2	39,0	36,0	39,9	36,9	25
31.25	11,7	42,9	39,9	31,1	28,1	34,1	31,1	23,6
62.50	17,0	38,4	35,4	21,4	18,4	28,1	25,1	21,5
100	22,0	35,3	32,3	13,3	10,3	24,0	21,0	20,1

*Values up to 4 MHz are for general information

Cable structure	Dimension, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m
Cat. 5e U/UTP 4x2x24AWG PE with Steel cord	9,7x5,1	47	Black	305/500/1000