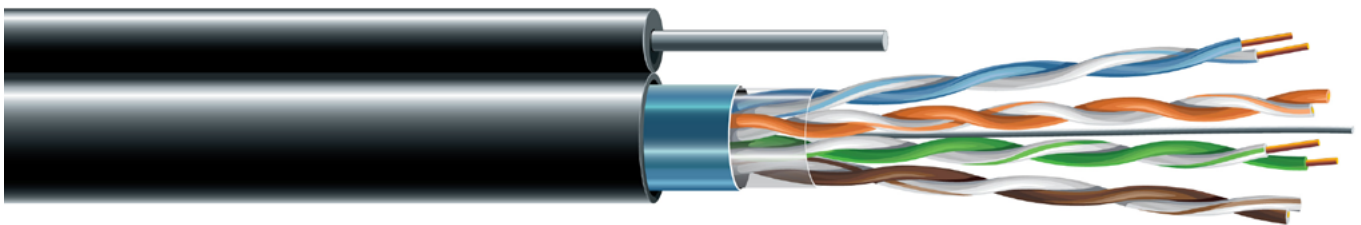


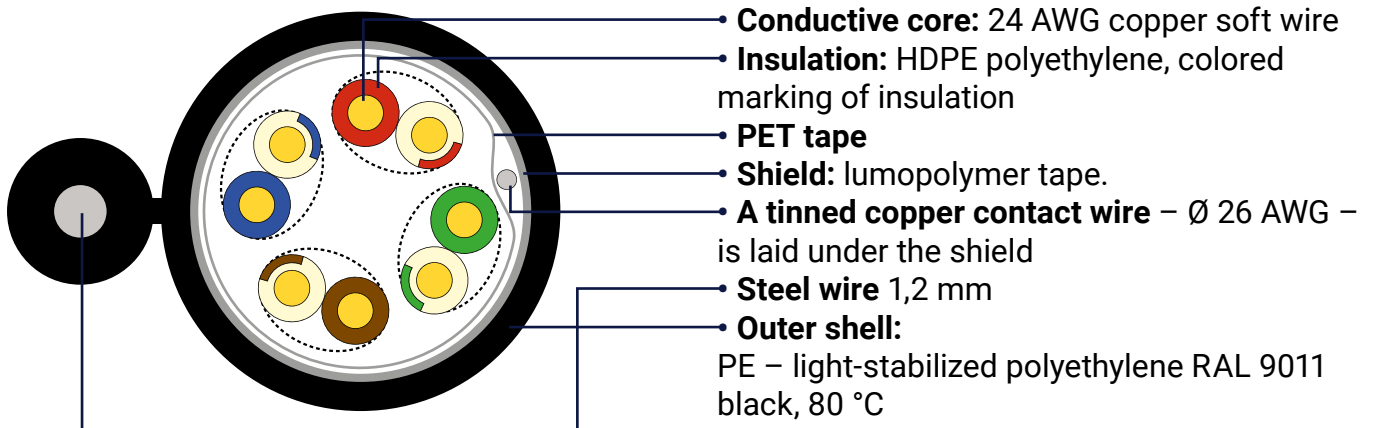
Cat.5e F/UTP PE with Steel wire

Application

Multicore and symmetrical twisted pair cable for digital communications type **Cat. 5e F/UTP 4x2x24AWG PE with steel wire** is designed for structured cabling networks with external laying on overhead lines. This cable type can operate at frequencies up to 100 MHz in conditions of increased electromagnetic action.



Cable structure



Standards

TU U 27.3-36911851-025:2020
DSTU IEC 61156-5



DATAWAY

Specifications

Conductor resistance.....	max. 95 Ω/km
Resistance imbalance.....	max. 2%
Insulation resistance.....	min. 5000 MΩ x m
Capacitance.....	not higher than 56 pF/m
Capacity imbalance.....	max. 1600 pF/km
Nominal velocity of propagation.....	67-69%
Signal delay.....	max. 537 ns/100m
Delay skew at 100 MHz.....	45 ns/100 m
DC test voltage between conductors, conductors and screen during 1 min.....	1000 V
Operational voltage (DC).....	max. 72 V

Frequency [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	Diameter, mm nom	Cable weigh, kg/km, approx.	Sheath color	Packaging, m
Cat. 5e F/UTP 4x2x24AWG PE with steel wire	10,6x6,0	53	Black	305/500/1000