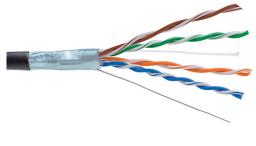
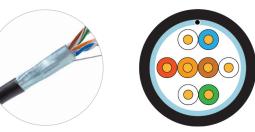


Outdoor FTP (F/UTP) cable 4x2xAWG24, Category 5E, 300 MHz, PE

P/N: KE300S24PE-RLX







Features

Gigabit

- PE sheath with thickness of 0,6 mm
- resistant to mechanical damage and environmental influences
- resistant to moisture, water and UV radiation
- cable core is identical with construction of KE300S24-Eca
- enables RJ45 connectors to be mounted directly to a cable
- enables transmission of all high-speed protocols including 1000BASE-T
- tested in bandwidth up to 300 MHz

Application

- primary (Campus), secondary (Riser), tertiary (Horizontal)
- IEEE 802.3: 10BASE-T; 100BASE-TX; 1000BASE-T
- IEEE 802.5: 16 MB; ISDN; TPDDI; ATM

Conductor	solid bare copper wire AWG24
Insulation	polyethylene, Ø 1,0 mm
Twisting	2 cores to the pair
Screen	Al-foil
Cable lay up	4 pairs to the core
Sheath	PE, black RAL 9005
Outer cable diameter	6,2 mm
PE sheath thickness	0,6 mm



50 mm 25 mm
25 mm
25 11111
0 °C to +50 °C
-20 °C to +60 °C
110 N (11 kg)
35 kg/ km

Loop resistance	-	≤ 95,8 Ω/ km	
Resistance unbalance	-	≤ 5 %	
nsulation resistance	(500 V)	≥ 5 000 MΩ x km	
apacity	at 800 Hz	nom. 56 nF/ km	
apacity unbalance	(pair/ground)	≤ 330 pF/ 100 m	
Characteristic impedance	at 100 MHz	$(100 \pm 15) \Omega$	
Iominal velocity of propagation (NVP)	-	cca 69 %	
Propagation delay	Nominal	≤ 535 ns/ 100 m	
elay skew	Nominal	≤ 20 ns/ 100 m	
est voltage	(DC, 1 min) core/core; core/screen	1 000 V	
	at 1 MHz	≤ 50 mΩ/ m	
ransfer impendance	at 10 MHz	≤ 100 mΩ/ m	
	at 30 MHz	≤ 200 mΩ/ m	
oupling attenuation	-	≥ 55 dB	



f (MHz)	Attenuation (dB/100m)	NEXT (dB min)	PS-NEXT (dB min)	ACR (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)	Return loss (dB)
1,0	1,9	71,0	68,0	69,1	66,1	68,0	65,0	20,0
4,0	3,7	62,0	59,0	58,3	55,3	56,0	53,0	23,0
10,0	6,0	56,0	53,0	50,0	47,0	48,0	45,0	25,0
16,0	7,6	53,0	50,0	45,4	42,4	44,0	41,0	25,0
20,0	8,5	51,0	48,0	42,5	39,5	42,0	39,0	25,0
31,2	10,7	49,0	46,0	38,3	35,3	38,0	35,0	24,0
62,5	15,7	44,0	41,0	28,3	25,3	32,0	29,0	22,0
100,0	19,8	41,0	38,0	21,2	18,2	28,0	25,0	20,0
125,0	22,3	40,0	37,0	17,7	14,7	26,0	23,0	19,0
155,5	24,2	38,0	35,0	13,8	10,8	24,0	21,0	-
175,5	25,7	37,0	34,0	11,3	8,3	23,0	20,0	-
200,0	27,5	36,0	33,0	8,5	5,5	22,0	19,0	-
250,0	29,2	35,0	32,0	5,8	2,8	20,0	17,0	-
300,0	32,0	34,0	31,0	2,0	-1,0	16,0	13,0	-