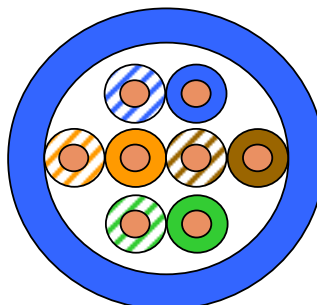


UC400 23 Cat.6

U/UTP



Application

Generic cabling systems

Standards

EN 50173-1; IEC11801; EN 50288-6-1; IEC61156-5; EIA/TIA 568-B.2-1

Fire rating

PVC : IEC 60332-1

Construction

Conductor	Solid copper wire 0.58 mm (AWG23)
Insulation	PE, Ø 1,05 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Lay up diameter	Ø 4,6 mm
Sheath	Flame retardant PVC

Mechanical Properties

Bending radius	Installation	8 x D
	Installed	4 x D
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C
Fire load	4 pair PVC	332 MJ/km
Maximum tensile load, installation	During installation	100N
	Installed	-

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Electrical Properties

at 20°C

DC loop resistance		≤ 132 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 5000 MΩxkm
Capacitance	at 800 Hz	Nom. 50 nF/km
Capacitance unbalance	(pair to ground)	≤ 300 pF/km
Mean Characteristic impedance	@ 100 MHz)	100 ± 5 Ω
Nominal velocity of propagation		0,7 c
Propagation delay		≤ 500 ns/100 m
Delay skew		≤ 20 ns/100 m

Nominal Transmission characteristics

at 20°C

F (MHZ)	Dämpfung, nom. (dB/100m)	NEXT (dB)	ACR (dB/100m)	Returnloss (dB)	PS-NEXT (dB)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB/100m)
1	1,9	80	78	-	77	75	76	73
4	3,6	70	66	25	67	63	60	57
10	5,6	70	64	30	67	61	50	47
16	7,1	60	53	30	57	50	45	42
20	8	69	61	30	66	58	42	39
31,25	10,1	58	48	28	55	45	40	37
62,5	14,5	57	43	28	54	40	34	31
100	18,7	51	32	25	48	29	32	29
155	23,7	47	23	25	44	20	27	24
200	27,3	47	20	22	44	17	26	23
250	31	45	14	22	42	11	25	22

Technical Data

Description	Variant	Colour	Outer diameter (D) mm	Delivery form	Weight kg/km	Material code	El. No.	DCN No.
Cat 6 U/UTP 4x2/0,58 mm	PVC	Grey, RAL7035	5,6	Box 305m	36	1000901-00305BR	1080011	799351
Cat 6 U/UTP 4x2/0,58 mm	PVC	Grey, RAL7035	5,6	Drum 500m	36	1000901-00500DP	1082600	799284