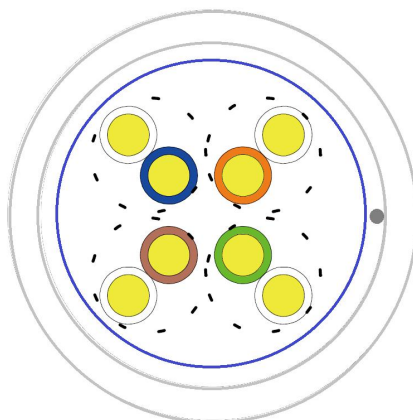


Category 5e UTP Cable LDPE UV RATED

Part Number:PROCAT5EXTLITEW



Application

Voice, Data, Security and Video Applications.
IP Megapixel CCTV/Analog Installations
Wire Access Points
Gigabit Indoor Video/data installations
Long distance PoE feeding
Generic cabling systems. Outdoor installations.

Standards

ANSI EIA/TIA 568 C.2;
ISO/IEC 11801 2nd Edition; IEC 61156-5
EN 50173; EN 50288-3-1
IEEE 802.3at
UL - E472815
ETL

UV Resistance Rating

EN 50289-4-17

Construction

Conductor	Bare copper wire (AWG24/1)
Insulation	Polyethylene, $\varnothing 0.91 \pm 0.02$ mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Filling	PE Tap Compound to prevent moisture migration.
Outer Sheath	White UV Resistant LDPE

Mechanical properties

Minimum bending radius	Installation	8 x D
	Installed	4 x D
Temperature range	during operation	-40 °C ~ + 60 °C
	during installation	-20 °C ~ + 50 °C



Electrical properties @ 20 °C

Dielectric strength	2.5 KV dc-2 seconds
Conductor resistance	Max 9.38 ohm/100M at 20°C
Max. Ring resistance	16.8 Ohm/100M at 20°C
Max. Mutual capacitance	560 pf/100M
Max. Capacity unbalance	330 pf/100M
Mean characteristic impedance 100 MHz	100 ± 15 Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	Nominal 535 ns/100m
Delay skew	Nominal 20 ns/100m
Test voltage (DC, 1 min)	1000 V
Core/Core Coupling attenuation	≥ 40 dB

Nominal transmission characteristics @ 20 °C

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

Product Code Table

Product Description	Packing Length	Part Number
24AWG Cat.5e UTP 4P White LDPE UV RATED	1000ft Easy Pull Box	PROCAT5EXTLITEW

© SYSCOM, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Syscom: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Syscom. The information is believed to be correct at the time of issue. Syscom reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Syscom.