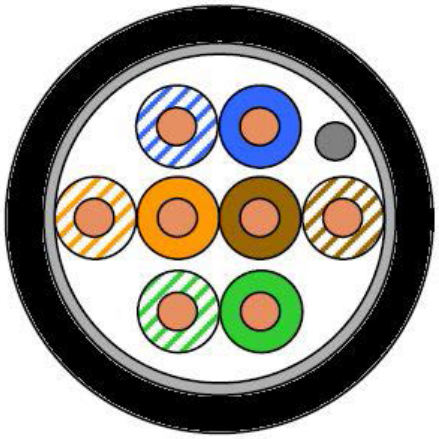
linkedpro
SUPREME PERFORMANCE CABLES

E488955

Category 5e FTP Cable

Part Number: PROCAT5EXT



Application

The perfect solution for installation runs that require the cable to be exposed to the elements.Full Gigabit communications under extreme conditions.
IP Megapixel CCTV/Analog Outdoor Installations
Wire Access Points
Gigabit Outdoor Video/data installations
Long distance PoE feeding

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 : E488955
ETL

Flame resistance

IEC 60332-1
CMX
CM

Construction

Conductor	Bare copper wire (AWG24/1)
Insulation	Polyethylene, Ø 0.98 ±0.02 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Shield	Aluminum Foil, Bare Copper Drain Wire
Sheath CMX UV RATED	Black Color

Mechanical properties

Bending radius	without load	25 mm
	with load	50 mm
Temperature range	during operation	-20° C to + 60° C
	during installation	0° C to + 50° C

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Electrical properties @ 20° C

Dielectric strength	2.5 KV dc-2 seconds
Conductor resistance	Max 9.38 ohm/100M at 20
Max. Ring resistance	16.8 Ohm/100M at 20
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	Nominal20 ns/100m
Test voltage (DC, 1 min)	1000 V
Core/Core Coupling attenuation	≥ 55 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)
1.0	1.9	71	68	69.1	66.1	68	65	20
4.0	3.7	62	59	58.3	55.3	56	53	23
10.0	6.0	56	53	50.0	47.0	48	45	25
16.0	7.6	53	50	45.4	42.4	44	41	25
20.0	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
100.0	19.8	41	38	21.2	18.2	28	25	20
125.0	22.3	40	37	17.7	14.7	26	23	19
155.5	24.2	38	35	13.8	10.8	24	21	-
175.0	25.7	37	34	11.3	8.3	23	20	-
200.0	27.5	36	33	8.5	5.5	22	19	-
250.0	29.2	35	32	5.8	2.8	20	17	-
300.0	32.0	34	31	2.0	-1.0	16	13	-

Product Code Table

Product Description	Packing Length	Part Number
24 AWG Cat.5e FTP 4P PVC UL CMX UV RATED BLACK Color	1000ft easy pull box	PROCAT5E XT
24 AWG Cat.5e FTP 4P PVC UL CMX UV RATED BLACK Color	500ft easy pull box	PROCAT5E XT/500

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LIFE TIME WARRANTY

LINKWARE
CABLE TEST MANAGEMENT SOFTWARE

Cable ID: PROCAT5EXT-HLX038[2]

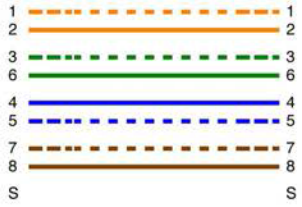
Test Summary: PASS

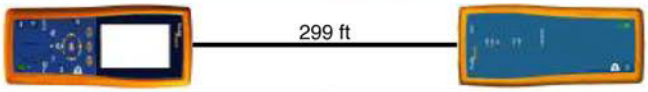
Date / Time: 06/16/2017 09:44:05am
Headroom: 4.6 dB (NEXT 12-45)
Test Limit: TIA Cat 5e Perm. Link
Cable Type: Cat 5e FTP

Operator: Your Name
Software Version: 2.7400
Limits Version: 1.9300
NVP: 71.0%

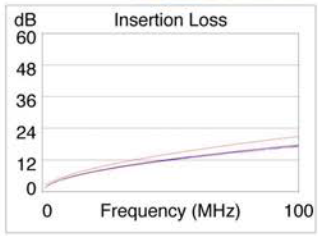
Model: DTX-1800
Main S/N: 1739303
Remote S/N: 1739304
Main Adapter: DTX-PLA002
Remote Adapter: DTX-PLA002

Wire Map (T568B)
PASS

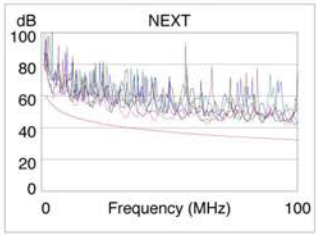


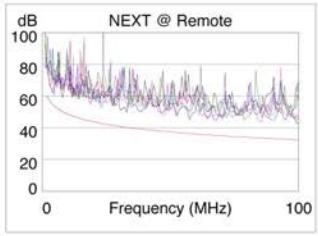


Length (ft), Limit 295	[Pair 78]	299
Prop. Delay (ns), Limit 498		442
Delay Skew (ns), Limit 44		14
Resistance (ohms)	[Pair 78]	17.5
Insertion Loss Margin (dB)	[Pair 45]	3.2
Frequency (MHz)	[Pair 45]	100.0
Limit (dB)	[Pair 45]	21.0

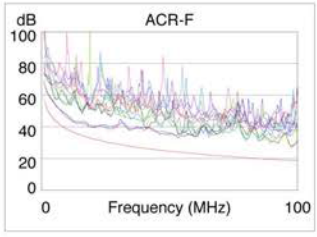


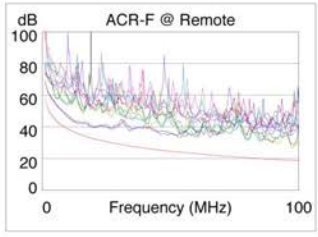
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-78
NEXT (dB)	4.6	6.4	8.7	10.4
Freq. (MHz)	4.5	4.5	95.5	99.5
Limit (dB)	54.0	54.0	32.6	32.3
Worst Pair	12	12	12	12
PS NEXT (dB)	5.8	7.5	9.1	11.3
Freq. (MHz)	4.5	4.4	95.5	99.3
Limit (dB)	51.0	51.2	29.6	29.4



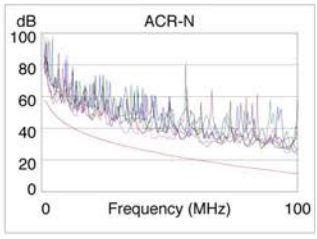


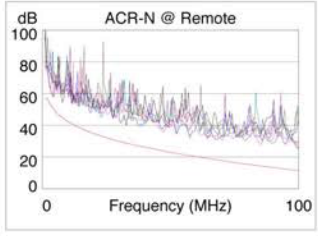
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-12	12-36	12-78	78-12
ACR-F (dB)	6.3	6.3	8.5	8.1
Freq. (MHz)	13.4	13.5	97.5	97.5
Limit (dB)	36.1	36.0	18.8	18.8
Worst Pair	12	36	78	12
PS ACR-F (dB)	9.1	9.0	11.3	10.9
Freq. (MHz)	11.4	11.4	97.5	97.5
Limit (dB)	34.5	34.5	15.8	15.8



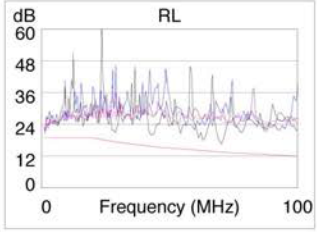


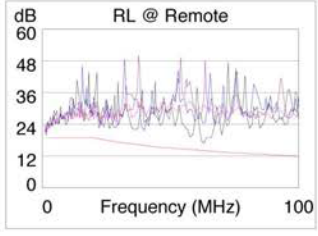
N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-78
ACR-N (dB)	5.2	7.1	11.7	14.3
Freq. (MHz)	4.6	4.5	95.5	99.5
Limit (dB)	49.6	49.8	12.2	11.4
Worst Pair	12	12	45	12
PS ACR-N (dB)	6.5	8.1	12.3	14.8
Freq. (MHz)	4.4	4.4	95.5	99.3
Limit (dB)	47.1	47.1	9.2	8.5





PASS	MAIN	SR	MAIN	SR
Worst Pair	45	45	45	45
RL (dB)	2.5	2.8	2.5	2.8
Freq. (MHz)	70.0	62.8	70.0	62.8
Limit (dB)	13.6	14.0	13.6	14.0





Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

LinkWare Version 6.2

FLUKE networks