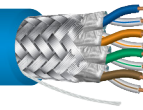


PART NUMBER CAT7SP-BLU

CATEGORY 7 CABLE, CONSISTING OF 4 SHIELDED PAIRS

PAGE 1

■ 0275/0725 FT • SMARTWIRE DEVICE/ZONE A B C D E 0 1 2 3 4 5 6 7 8 9 CATEGORY 7 S/FTP - 4PR/22 FT6 C(UL)US CMP - COMPLIANT TO CAT 7



CABLE SPECIFICATIONS

DESCRIPTION	CATEGORY 7, THE FOUR TWISTED PAIRS ARE INDIVIDUALLY WRAPPED WITH ALUMINUM/MYLAR TAPE AND CABLED TOGETHER. COMPONENTS ARE TWISTED INTO PAIRS WITH VARYING LAYS TO MINIMIZE CROSSTALK.
CONDUCTOR	22 AWG SOLID BARE COPPER
INSULATION	THERMOPLASTIC; COLOR CODED PER TABLE; 0.059" NOM. O.D. (1.50 MM)
BRAID	38 AWG TINNED COPPER, 50% MINIMUM COVERAGE
COLOR CODE	PAIR 1: WHITE-BLUE/BLUE; PAIR 2: WHITE-ORANGE/ORANGE, PAIR 3: WHITE-GREEN/GREEN; PAIR 4: WHITE-BROWN/BROWN
JACKET	LS PVC; 0.326" NOM. O.D. (8.3MM); INCLUDING RIPCORD
JACKET COLOR	BLUE
PRINT LEGEND	CATEGORY 7 S/FTP; 4PR/22; 105C; C(UL)US CMP-LP (0.9A); COMPLIANT TO CAT 7 ISO/IEC 11801
SHIELD	ALUMINUM/MYLAR TAPE

INDUSTRY STANDARDS

AGENCY APPROVALS UL CMP, LP

All specifications referenced are nominal measurements unless otherwise noted.



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4 TWISTED PAIR CABLE

CATEGORY 7 CABLE, CONSISTING OF 4 SHIELDED PAIRS

PAGE 2

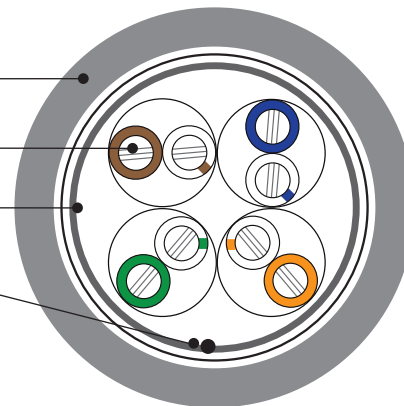
TWISTED PAIR CABLE

LS-PVC JACKET

CONDUCTOR

BRAID SHIELD ALUM/MYLAR SHIELD

RIPCORD



TWISTED PAIR CABLE

- PAIR 1** BLUE/WHITE WITH CO-EXTRUDED BLUE STRIPE ON WHITE
PAIR 2 ORANGE/WHITE WITH CO-EXTRUDED ORANGE STRIPE ON WHITE
PAIR 3 GREEN/WHITE WITH CO-EXTRUDED GREEN STRIPE ON WHITE
PAIR 4 BROWN/WHITE WITH CO-EXTRUDED BROWN STRIPE ON WHITE

MECHANICAL SPECIFICATION

CHARACTERISTIC IMPEDANCE	IN ACCORDANCE WITH 6.3.10 OF IEC 61156-5 OHM
MAXIMUM CONDUCTOR RESISTANCE	9.5 Ω /100 METERS @ 20°C
MAXIMUM RESISTANCE UNBALANCE	2% (WITHIN A PAIR), 4% (BETWEEN PAIRS)
MAXIMUM CAPACITANCE UNBALANCE	160 pF/100 METERS
MAXIMUM DELAY SKEW	25NS/100 METERS
TRANSFER IMPEDANCE	MEETS GRADE 1 (6.2.7 IEC 61156-5)
COUPLING ATTENUATION	MEETS TYPE II (6.2.8 IEC 61156-5)

ELECTRICAL PERFORMANCE

FREQ	INS. LOSS MAX	NEXT MIN	NEXT MIN PS	ACR MIN	ACR MIN PS	ELFEXT MIN	ELFEXT MIN PS	PSANEXT MIN	RETURN LOSS MIN	DELAY
(MHZ)					(dB/100m)					(ns/100m)
4	3.74	78	75	74.26	71.26	78	75	67	23.01	552
8	5.24	78	75	72.76	69.76	77.24	74.24	67	24.52	547
10	5.86	78	75	72.14	69.14	75.3	72.3	67	25	545
16	7.41	78	75	70.59	37.59	71.22	68.22	67	25	543
20	8.29	78	75	69.71	66.71	69.28	66.28	67	25	542
25	9.29	78	75	68.71	65.71	67.34	64.34	67	24.32	541
31.25	10.41	78	75	37.59	64.59	65.4	62.4	67	23.64	540
62.5	14.88	75.46	72.46	60.58	57.58	59.38	56.38	67	21.54	539
100	19.02	72.4	69.4	53.38	50.38	55.3	52.3	67	20.11	538
200	27.47	67.88	64.88	40.41	37.41	49.28	46.28	61.48	18	537
300	34.19	65.24	62.24	31.05	28.05	45.76	42.76	57.96	17.3	536
400	40.01	63.37	60.37	23.36	20.36	43.26	40.26	55.46	17.3	536
500	45.26	61.92	58.92	16.66	13.66	41.32	38.32	53.52	17.3	536
600	50.1	60.73	57.73	10.63	7.63	39.74	36.74	51.94	17.3	535

*ANY FREQUENCIES BEYOND TIA AND ISO REQUIREMENTS ARE FOR INFORMATION ONLY.

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