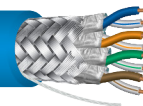


PART NUMBER 9557619

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 CABLE, CONSISTING OF 4 SHIELDED PAIRS, 22 AWG, BRAID SHIELDED, WITH A LOW SMOKE PVC JKT. FT6 C(UL)US CMP
CONDUCTOR	22 AWG OSBC - .026" NOM OD
INSULATION	FEP
COLOR CODE	PAIR 1: WHITE-BLUE/BLUE, PAIR 2: WHITE-ORANGE/ORANGE, PAIR 3: WHITE-GREEN/GREEN, PAIR 4: WHITE-BROWN/BROWN FOUR TWISTED PAIRS ARE INDIVIDUALLY WRAPPED WITH AN ALUMINUM/MYLAR SHIELD. THE FOUR PAIRS ARE THEN CABLED TOGETHER WITH A LEFT HAND LAY
JACKET	LOW SMOKE PVC - .335" NOM OD -.026" AVG WALL A RIPCORD IS PULLED IN UNDER JACKET
JACKET COLOR	BLUE
MARKING	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
SHIELD	5 ENDS 38 AWG TINNED COPPER 50% MIN COVERAGE
TEMPERATURE RATING	- 20 C TO 60 C / 300 VOLT
VOLTAGE RATING	300 VOLTS

INDUSTRY STANDARDS AGENCIES APPROVALS

UNDERWRITERS LABORATORIES, INC. TYPE CMP, COMMUNICATIONS PLENUM CABLE, LISTED AS BEING SUITABLE FOR USE IN DUCTS, PLENUMS, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR. ALSO LISTED AS HAVING ADEQUATE FIRE-RESISTANT AND LOW SMOKE-PRODUCING CHARACTERISTICS, IN ACCORDANCE WITH ARTICLE 800 OF THE NATIONAL ELECTRICAL CODE.



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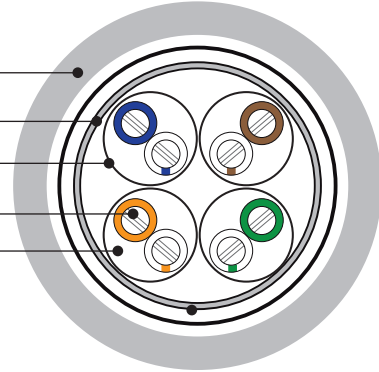
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4 TWISTED PAIR CABLE

CATEGORY 7 CABLE, CONSISTING OF 4 SHIELDED PAIRS

4 TWISTED PAIR CABLE

- LS-PVC JACKET
- BRAID SHIELD
- ALUM/MYLAR SHIELD
- CONDUCTOR
- 4 PAIR 22 AWG FEP INS.



TWISTED PAIR SHIELDED 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††
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

MECHANICAL SPECIFICATION

FREQ (MHZ)	INS. LOSS MAX (dB/100m)	NEXT MIN (dB/100m)		ELFEXT MIN (dB/100m)		RETURN LOSS MIN (dB/100m)	DELAY MAX (dB/100m)
		WP	PS	WP	PS		
0.772	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X
4	3.75	78.00	75.00	78.00	75.00	23.01	552
8	5.22	78.00	75.00	77.24	74.24	24.52	547
10	5.82	78.00	75.00	75.30	72.30	25.00	545
16	7.34	78.00	75.00	71.22	68.22	25.00	543
20	8.21	78.00	75.00	69.28	66.28	25.00	542
25	9.18	78.00	75.00	67.34	64.34	24.32	541
31.25	10.26	78.00	75.00	65.40	62.40	23.64	540
62.5	14.57	78.00	75.00	59.38	56.38	21.54	539
100	18.53	75.40	72.40	55.30	52.30	20.11	538
200	26.47	70.88	67.88	49.28	46.28	18.00	537
300	32.69	68.24	65.24	45.76	42.76	17.30	536
400	38.01	66.37	63.37	43.26	40.26	17.30	536
500	42.76	64.92	61.92	41.32	38.32	17.30	536
600	47.10	63.73	60.73	39.74	36.74	17.30	535
700	51.13	62.72	59.72	38.40	35.40	16.63	535
800	54.92	61.85	58.85	37.24	34.24	16.05	535
900	58.51	61.09	58.09	36.22	33.22	15.54	535
1000	61.93	60.40	57.40	35.30	32.30	15.08	535

†NOT ALL CHARACTERISTICS ARE SHOWN. REFER TO IEC 61156-5 FOR COMPLETE LIST OF ALL REQUIRED CHARACTERISTICS AND THEIR LIMITS. DISCRETE VALUES ARE FOR INFORMATION ONLY. EQUATIONS FOR SWEEPED FREQUENCIES GOVERN LIMITS.

††CABLES THAT MEET THE RETURN LOSS REQUIREMENTS OF 6.3.11 OF IEC 61156-5 ARE NOT REQUIRED TO BE MEASURED FOR CHARACTERISTIC IMPEDANCE.



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