



# CABLE SELECTOR GUIDE

## MULTI-CONDUCTOR SHIELDED CABLE

### CONDUCTOR SIZE

NO. OF COND.	TYPE OF SHIELD	30 AWG		28 AWG		26 AWG		24 AWG		22 AWG		20 AWG		18 AWG		16 AWG		14 AWG		12 AWG	
		P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.	P/N	PG. NO.
1	Braid	3400	55	3404	55	2920 3408	54 55	2924 3412	54 55	2913 2928 3416	51 54 56	2916 2932 3420	51 54 56	2936 3060 3424	54 51 56	2940 3428	54 56				
	Spiral					6805	50			2897	50	2901	50	2906	50						
2	Braid	3401	35	3405 6912	55 52	2921 3409	54 55	2925 3413	54 55	2914 2929 3417	51 54 56	2917 2933 3005 3421 3500	51 54 51 56 54	2937 3061 3425 3540	54 51 56 53	2941 3064 3429 3549	54 51 56 53	3066 3560	51 53	3570	53
	Spiral									2895 2896	50 50	2902	50	2907	50	2910	50				
	Foil							2822 2944	35 38	2874 2875 2877 2877L 2877T 2970 3140	35 35 35 26 28 35 57	2881 2881L 2881T 2883 2885 3022 3141	36 26 28 36 36 49 57	2886 2886L 2886T 2889 3108L 3142 3762-725 3762-760 8200S	36 26 28 36 24 57 27 25 62	2891 2891L 2891T 3114L 3143 3782-760 8300S	36 26 28 24 57 25 62	2893 2893T 3120L 3144 3760-760 8400S	36 28 24 57 25 62	2894 2894T 3124L 3124T 3145 8500S	36 28 24 25 57 62
	Foil & Braid											43602	32	43652 61147A	32 CF	43752 81172A	32 CF	43702	32	43802	32
3	Braid	3402	55	3406 6913	55 52	2922 3410	54 55	2926 3414	54 55	2911 2912 2930 2958 3418	53 51 54 53 56	2918 2934 3006 3422 3501	51 54 51 56 54	2938 3062 3426 3541	54 51 56 53	2942 3065 3430 3550	54 51 56 53	3561	53	3571	53
	Spiral									2898	50	2903	50	2908	50						
	Foil							2823	37	2879 2880 2880L 2880T 3160	35 35 26 28 58	2884 2884L 2884T 3023 3161	36 26 28 49 58	2888 2888L 2888T 3162 8202S	36 26 28 58 62	2892 2892L 3163 8302S	36 26 58 62	3164 8402S	58 62	8502S	62
4	Braid	3403	55	3407 6914	55 52	2923 3411	54 55	2927 3415	54 55	2915 2931 3419	51 54 56	2919 2935 3007 3423 3502	51 54 51 56 54	2939 3063 3427 3542	54 51 56 53	2943 3431 3551	54 56 53	3562	53		
	Spiral									2899	50	2904	50	2909	50						
	Foil							2824	37	2882 2882L 2882T 3734-725	35 26 28 27	2887 2887L 2887T	36 26 28	2890 2890L 2890T 3110L 3774-760 8203S	36 26 28 24 25 62	2892/4 2892L 3116L 3783-760 8303S	36 28 24 25 62	3119ST 8403S	25 62	8503S	62
5	Braid											3008 3503	51 54								
	Foil							2825	37	2005SHD	37					8304S	62	8404S	62	8504S	62
6	Braid			6916	52							3009 3504 6326	51 54 52	3543	53	3552	54				
	Spiral											2905	50								
	Foil							2826	37	2006SHD	37			2890/6 2890/6T 8205S	36 28 62	8305S 81366	62 CF				
7	Braid											3505	54								
	Foil							2827	37	2007SHD	37			8206S	62					8506S	62
8	Braid			6918	52							3010 3506	51 54	3544	53	3553	53				
	Foil							2828	37	2008SHD	37			2890/8 2890/8T 8207S	36 28 62	8307S	62				

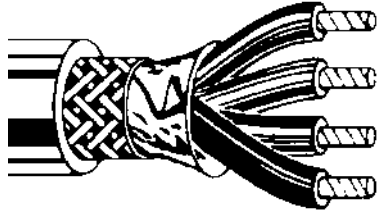


# PLENUM CABLE

## NEC 800

### UL CLASSIFIED CMP 200°C

#### Multi-Conductor Overall Foil and Braid Shield / Control and Instrumentation



**DESCRIPTION:**

Tinned copper conductors, FEP insulated, conductors cabled. Aluminum-polyester shield with 85% tinned copper braid shield. FEP jacket. Red. NEC 800. Listed for use in an air plenum non-conduit.

**COLOR CODE:** Chart 2, Page 94

OLYMPIC NO.	NUMBER OF COND.	CONDUCTOR		INSUL. THICK. (inch)	JACKET. THICK. (inch)	NOM. O.D. (inch)	NOM. CAPACITANCE	
		AWG	STRAND				* pF/ft.	** pF/ft.
43503	3	24	7	.006	.015	.137	20	36
43504	4	24	7	.006	.015	.146	20	36
43506	6	24	7	.006	.015	.167	20	36
43509	9	24	7	.006	.015	.190	20	36
43512	12	24	7	.006	.015	.209	20	36
43515	15	24	7	.006	.015	.229	20	36

OLYMPIC NO.	NUMBER OF COND.	CONDUCTOR		INSUL. THICK. (inch)	JACKET. THICK. (inch)	NOM. O.D. (inch)	NOM. CAPACITANCE	
		AWG	STRAND				* pF/ft.	** pF/ft.
43552	2	22	7	.006	.015	.143	23	40
43553	3	22	7	.006	.015	.150	23	40
43554	4	22	7	.006	.015	.161	23	40
43556	6	22	7	.006	.015	.185	23	40
43559	9	22	7	.006	.015	.211	23	40
43562	12	22	7	.006	.015	.234	23	40
43569	19	22	7	.006	.015	.269	23	40

OLYMPIC NO.	NUMBER OF COND.	CONDUCTOR		INSUL. THICK. (inch)	JACKET. THICK. (inch)	NOM. O.D. (inch)	NOM. CAPACITANCE	
		AWG	STRAND				* pF/ft.	** pF/ft.
43602	2	20	7	.006	.015	.159	26	51
43604	4	20	7	.006	.015	.180	26	51
43606	6	20	7	.006	.015	.209	26	51
43609	9	20	7	.006	.015	.240	26	51
43612	12	20	7	.006	.015	.267	26	51

OLYMPIC NO.	NUMBER OF COND.	CONDUCTOR		INSUL. THICK. (inch)	JACKET. THICK. (inch)	NOM. O.D. (inch)	NOM. CAPACITANCE	
		AWG	STRAND				* pF/ft.	** pF/ft.
43652	2	18	19	.007	.015	.182	33	60
43653	3	18	19	.007	.015	.191	33	60
43654	4	18	19	.007	.015	.207	33	60
43656	6	18	19	.007	.015	.243	33	60
43659	9	18	19	.007	.015	.281	33	60
43662	12	18	19	.007	.015	.313	33	60

OLYMPIC NO.	NUMBER OF COND.	CONDUCTOR		INSUL. THICK. (inch)	JACKET. THICK. (inch)	NOM. O.D. (inch)	NOM. CAPACITANCE	
		AWG	STRAND				* pF/ft.	** pF/ft.
43702	2	16	19	.007	.015	.200	35	63
43703	3	16	19	.007	.015	.211	35	63
43704	4	16	19	.007	.015	.228	35	63
43706	6	16	19	.007	.015	.270	35	63
43709	9	16	19	.007	.015	.313	35	63
43712	12	16	19	.007	.015	.350	35	63
43715	15	16	19	.007	.015	.389	35	63
43719	19	16	19	.007	.015	.410	35	63

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.



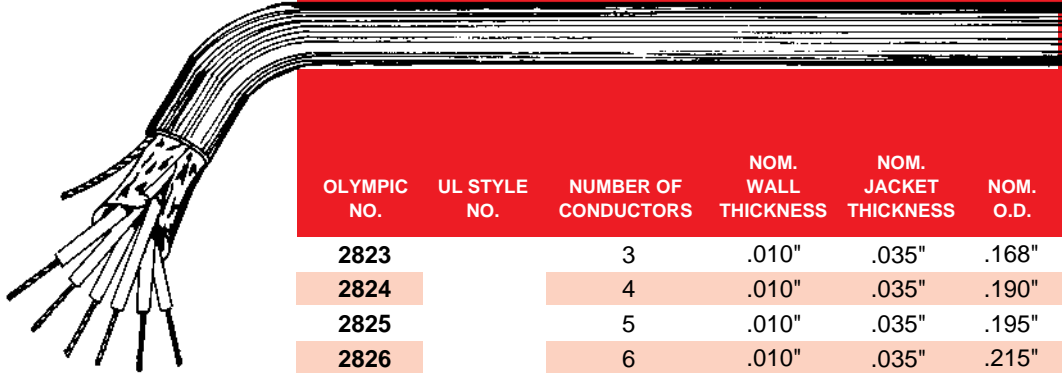
# MULTI-CONDUCTOR CABLE


## MYLAR FOIL SHIELDED

UL CLASSIFIED CM

Multi-Conductor Cable/Overall Foil Shield

24 Gage, (7x32)



OLYMPIC NO.	UL STYLE NO.	NUMBER OF CONDUCTORS	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.	SUGGESTED WORKING VOLTAGE	NOM. CAP. pF/ft*
2823	2464 (300V) 80°C  AWM FT4	3	.010"	.035"	.168"	300	30
2824		4	.010"	.035"	.190"	300	30
2825		5	.010"	.035"	.195"	300	30
2826		6	.010"	.035"	.215"	300	30
2827		7	.010"	.035"	.215"	300	30
2828		8	.010"	.035"	.220"	300	30
2829		9	.010"	.035"	.250"	300	30
2830		10	.010"	.035"	.250"	300	30
2835		15	.010"	.035"	.280"	300	30
2840		20	.010"	.035"	.320"	300	30
2845	25	.010"	.040"	.360"	300	30	
2850	30	.010"	.040"	.380"	300	30	
2860	40	.010"	.040"	.430"	300	30	
2870	50	.010"	.045"	.490"	300	30	

**DESCRIPTION:**

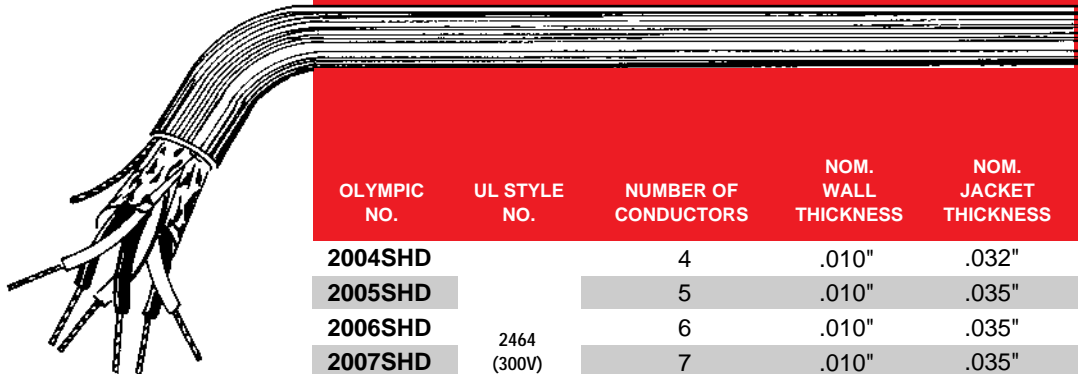
Tinned copper, vinyl insulated, conductors cabled, aluminum mylar shield with 24 AWG stranded tinned copper drain wire, chrome vinyl jacket  
Temp. Rating -20°C to +80°C


**COLOR CODE:**

2823-2830 See Chart 1, Page 94  
2835-2870 See Chart 2, Page 94

\* Capacitance between conductors

22 Gage, (7x30)



OLYMPIC NO.	UL STYLE NO.	NUMBER OF CONDUCTORS	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.	NOM. CAP. pF/ft*
2004SHD	2464 (300V) 80°C  AWM T2 FT1	4	.010"	.032"	.200"	35
2005SHD		5	.010"	.035"	.212"	35
2006SHD		6	.010"	.035"	.227"	35
2007SHD		7	.010"	.035"	.230"	35
2008SHD		8	.010"	.035"	.242"	35
2009SHD		9	.010"	.035"	.259"	35
2010SHD		10	.010"	.035"	.260"	35
2012SHD		12	.010"	.035"	.286"	35
2015SHD		15	.010"	.035"	.301"	35
2020SHD		20	.010"	.035"	.335"	35
2025SHD	25	.010"	.040"	.370"	35	

**DESCRIPTION:**

Tinned copper, vinyl insulated, conductors cabled, aluminum mylar shield with 24 AWG stranded tinned copper drain wire, chrome vinyl jacket,  
Temp. Rating -20°C to +80°C

**COLOR CODE:**

See Chart 8, Page 96

\* Capacitance between conductors



# COMPUTER CABLES

## LOW CAPACITANCE

### UL 2919

UL CLASSIFIED CL2

### MULTI-PAIRED OVERALL SHIELDED 24 GAGE (7 x 32)

EIA RS-232, EIA RS-422 AND RS485

**DESCRIPTION:**

Twisted pairs of polyethylene insulated 24 AWG, seven strand tinned conductors, cabled with overall alum. mylar shield with 24 (7) AWG tinned copper drain wire; jacketed with flame retardant gray PVC, .032 inch nominal wall thickness; nominal mutual capacitance 12.5 pF/Ft, 100 ohm.

**TEMPERATURE RATING:** -20°C to +80°C

**APPLICATIONS:**

Polyethylene insulated and paired for low capacitance for extended distance peripheral interconnection, digital data communications systems utilizing balance circuits, or unbalanced circuits requiring superior capacitance matching, where overall RF shield isolation is necessary; Extended Distance Cable - recommended for use up to 200 feet

**COLOR CODE:**

See Chart 11, Back cover

† See Chart 12, Back cover

OLYMPIC NO.	NUMBER OF PAIRS	NOMINAL OVERALL DIAMETER	NOM. CAP. pF/ft**
9600	2	.264"	12.5
9601	3	.278"	12.5
9602	4	.300"	12.5
† 9604A	6	.353"	12.5
9605	7	.353"	12.5
† 9607A	9	.409"	12.5
† 9609A	12 + 1 single	.456"	12.5

### 22 GAGE SOLID CONDUCTORS

UL CLASSIFIED CM

OLYMPIC NO.	U.L. STYLE NO.	NOM. D.C.R. CENTER COND.	SHIELD	NO. OF PAIRS	NOM. O.D.	NOMINAL VEL OF PROP.	NOM. CAPACITANCE pF/ft**	pF/ft**	pF/m**
6172	2668	22 (solid) tinned copper 16.1 Ω/M'	Alum. mylar w/ stranded drain wire 6.3 Ω/M'	2	.385"	78%	8.8	—	—

Black PVC jacket. Conductor color code: Black/yellow Red/blue  
TEMPERATURE RATING: -20°C to +60°C

### PAIRED CABLE/OVERALL FOIL SHIELD 24 GAGE, (7 x 32)

UL CLASSIFIED CL2

**DESCRIPTION:**

Tinned copper, vinyl insulated, twisted pairs, overall aluminum mylar shield, 24 AWG stranded tinned copper drain wire, chrome vinyl jacket

**TEMPERATURE RATING:**

-20°C to +80°C

**COLOR CODE:**

See Chart 3, Page 94

\* See Chart 4, Page 94

OLYMPIC NO.	UL STYLE NO.	NO. OF PAIRS	NOM. WALL THICKNESS	NOM. JACKET THICKNESS	NOM. O.D.	SUGGESTED WORKING VOLTAGE	NOM. CAP. pF/ft**
2944		1	.010"	.032"	.156"	300	41
2945		2	.010"	.032"	.222"	300	30
2946		3	.010"	.032"	.232"	300	30
2947		4	.010"	.032"	.265"	300	30
2948		5	.010"	.035"	.280"	300	30
2949	2464 (300V)	6	.010"	.035"	.295"	300	30
2950		7	.010"	.035"	.300"	300	30
2951		8	.010"	.035"	.330"	300	30
2952		9	.010"	.035"	.340"	300	30
2953		10	.010"	.040"	.380"	300	30
2954		15	.010"	.040"	.425"	300	30
2955		19	.010"	.040"	.450"	300	30
2956		25	.010"	.045"	.515"	300	30
* 2957		50	.010"	.050"	.700"	300	30

Passes the VW-1 (Fr-1) vertical flame test

\*\* Capacitance between conductors



## MULTI-CONDUCTOR CABLE TINNED COPPER SHIELDED

UL CLASSIFIED CM

BRAID SHIELDED VINYL JACKETED CABLE




**DESCRIPTION:**

Tinned copper, vinyl insulated, twisted pair, 22 AWG solid tinned copper drain wire, tinned copper braided shield (88% coverage), black vinyl jacket.

**COLOR CODE:** Black, Red

Tinned copper, vinyl insulated, twisted pair, 22 AWG stranded tinned copper drain wire, tinned copper braid shield (86% coverage), black vinyl jacket.

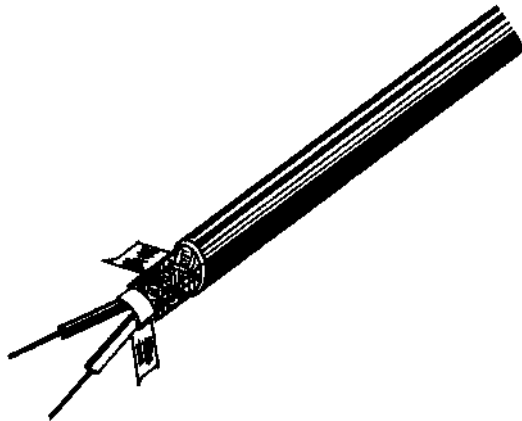
**COLOR CODE:** Black, Red

OLYMPIC NO.	UL STYLE NO.	NO. OF COND.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICK.	NOM. JACKET THICK.	NOM. O.D.	SUGG. WORKING VOLTAGE
2911	 2095 (300V)	2	22	Solid	.015"	.025"	.200"	300
2958		2	22	7/30	.015"	.025"	.210"	300

## BRAID SHIELDED NEOPRENE JACKETED CABLE

**DESCRIPTION:**

Each conductor stranded tinned copper, color coded rubber insulation, cabled with fillers where necessary, wrap, braided tinned copper shield, wrap, black neoprene jacket overall.



OLYMPIC NO.	NO. OF COND.	CONDUCTOR SIZE	CONDUCTOR STRAND	NOM. WALL THICK.	NOM. JACKET THICK.	NOM. O.D.	SUGG. WORKING VOLTAGE
3540	2	18	41/34	.020"	.035"	.290"	600
3541	3	18	41/34	.020"	.035"	.305"	600
3542	4	18	41/34	.020"	.035"	.325"	600
3543	6	18	41/34	.020"	.035"	.350"	600
3544	8	18	41/34	.020"	.035"	.400"	600
3545	10	18	41/34	.020"	.035"	.445"	600
3546	12	18	41/34	.020"	.065"	.530"	600
3547	15	18	41/34	.020"	.065"	.570"	600
3548	20	18	41/34	.020"	.065"	.625"	600
3549	2	16	65/34	.025"	.035"	.335"	600
3550	3	16	65/34	.025"	.035"	.355"	600
3551	4	16	65/34	.025"	.035"	.385"	600
3552	6	16	65/34	.025"	.040"	.445"	600
3553	8	16	65/34	.025"	.040"	.510"	600
3560	2	14	41/30	.030"	.040"	.395"	600
3561	3	14	41/30	.030"	.040"	.425"	600
3562	4	14	41/30	.030"	.040"	.455"	600
3564	6	14	41/30	.030"	.040"	.515"	600
3570	2	12	65/30	.030"	.040"	.440"	600
3571	3	12	65/30	.030"	.040"	.465"	600
3580	2	10	105/30	.030"	.040"	.495"	600

**TEMPERATURE RATING:**  
-20°C TO +60°C

**COLOR CODE:**

1 - Black	5 - Yellow	9 - Slate	13 - White/Green (Braid)	17 - White/Purple (Braid)
2 - White	6 - Blue	10 - Purple	14 - White/Yellow (Braid)	18 - White/Slate (Braid)
3 - Red	7 - Brown	11 - White/Black (Braid)	15 - White/Blue (Braid)	19 - Black/Red (Braid)
4 - Green	8 - Orange	12 - White/Red (Braid)	16 - White/Brown (Braid)	20 - Black/Yellow (Braid)



## LOCAL AREA NETWORK PLENUM AND PVC

### TRANCEIVER/DROP CABLES

UL CLASSIFIED CL2 or CL2P

DESCR.	OLYMPIC NO.	U.L. STYLE NO.	COND. STRAND. DIA.	DIELECTRIC MAT'L DIA.	SHIELD MAT'L % COVERAGE	JACKET NOM. DIA.	NOM. VEL. OF PROP.	NOM. IMPED. (ohms)	NOM. CAP. (pf/ft)	NOMINAL ATTENUATION	
										MHz	db/100FT
IEEE 802.3 Non-Plenum	6892	2919 & CL2	20(7/28 T.C.) 4 Pair	3 Pair Foam Polypro 1 Pair SR-PVC	Each pair Alum/Tape 7/28 T.C. Drain Overall Alum/Tape & T.C. Braid 95% Coverage	PVC Gray .425"	73% (3 Pair Only)	78	17.0	10	1.9
IEEE 802.3 Plenum	6892T	CL2P	20(7/28 T.C.) 4 Pair	All Pairs Solid FEP	Each pair Alum/Tape 7/28 T.C. Drain Overall Alum/Tape & T.C. Braid 95% Coverage	Kynar Flex <sup>3</sup> Gray .361"	66%	78	17.0	10	1.9

### TRUNK COAXIAL CABLES

Ethernet <sup>2</sup> Non-Plenum	6880	1478 60°C & CL2	.0855" Bare Copper	Foam PE .247"	Alum/Tape + T.C. Braid 90% Min. Coverage + Alum/Tape + T.C. Braid 90% Min. Coverage	PVC Yellow .405"	78%	50	26.0	5 10	.38 .53
Ethernet <sup>2</sup> Plenum	6880T	CL2P	.0855" Bare Copper	Foam FEP <sup>1</sup> .245"	Alum/Mylar/Alum + T.C. Braid 90% Min. Coverage + Alum/Tape + T.C. Braid 90% Min. Coverage	Kynar Flex <sup>3</sup> Orange .375"	78%	50	26.0	5 10	.38 .53
IEEE 802.3 10 BASE 2 Thin net	6907	CL2	20(19/32 T.C.)	Foam PE .103"	Alum/Mylar/Alum + T.C. Braid 95% Coverage	PVC Light Gray .182"	80%	50	25.0	1 10 100 200	.43 1.3 4.2 6.1
IEEE 802.3 10 BASE 2 Thin net	6907T	CL2P	20(19/32 T.C.)	Foamed FEP <sup>1</sup> .095"	Alum/Mylar/Alum + T.C. Braid 95% Coverage	Kynar Flex <sup>3</sup> Gray .158"	80%	50	25.4	1 10 100 200	.43 1.3 4.2 6.1

1 - FEP, Registered Trademark of E.I. Dupont Co.




2 - Trademark of Xerox Corp.

3 - Kynar, Registered Trademark




# TWINAXIAL COMPUTER CABLE

## PLENUM CABLE

UL CLASSIFIED CL2P			NEC 725-38(b) 3 CLASS 2						
OLYMPIC NO.	UL STYLE NO.	NOM. D.C.R.		JACKET	NOM. O.D.	NOM. VEL. OF PROP.	NOM. CAPACITANCE		
		CENTER COND.	SHIELD				pF/ft*	pF/ft**	
<b>78 ohm</b>									
	6272T	CL2P	2 Cond. 20 (7x28) tinned copper 9.5 Ω/m'	1 tinned copper Braid 9.5 Ω/m' 93% shield coverage	Opaque teflon	.220"	70%	18.5	—
Color Code: Clear and Blue									
<b>100 ohm</b>									
	6275T	CL2P	2 Cond. 20 (7x28) 1 Cond.tinned 1 Cond.bare 9.5 Ω/m'	1 tinned copper Braid 2.6 Ω/m' 95% shield coverage	Black	.282"	72%	13.0	—
Equivalent to IBM 7362061									
<b>150 ohm</b>									
	6182T 200°C	CL2P	1 Pr. 22 (19x34) tinned copper 14.0 Ω/m'	Alum./ Mylar/ Alum.	Black	.308"	78%	8.8	—
Color Code: Black and Yellow									

## ATEX TYPE AND T.V. CAMERA PLENUM CABLE

UL CLASSIFIED CL2P			NEC 725-38(b) 3 CLASS 2							
OLYMPIC NO.	AWG (STRANDING) NOM. D.C. RES.	INSULATION AND CORE		SHIELD AND MATERIAL		NOM. IMP. (ohms)	NOM. VEL. OF PROP.	NOM. CAP. PF/FT	NOM. ATTENUATION	
		NOM. CORE O.D.	NOM. O.D.	NOM. D.C. RES.	NOM. O.D.				MHZ	db/100FT
	6265T	2 cond. 22 (7x30) tinned copper	FEP .053	.180 x .340	1 Pr. alum. mylar shielded	—	—	51.0	—	—
		1 coax 22(7x30) bare copper 15.0 Ω/m'	Foamed teflon .135		1 tinned copper, 2.6 Ω/m' 95% shield coverage	75	78	17.3	1.0 5.0 10.0 100.0	.3 .7 1.0 3.0

**DESCRIPTION:**  
Figure 8 type cable RG-59 type with aluminum mylar shielded twisted pair Opaque jacket

\* Capacitance between conductors

\*\* Capacitance between 1 conductor and other conductor connected to shield

† Trademark of DuPont.