



# FIRE ALARM-SECURITY

## FAS 105°C 300 VOLT

### APPLICATION:

Interconnection within the fire alarm security system, smoke and fire detectors, fire alarms and emergency communication systems.

### APPROVALS:

CSA C22.2 No. 208 FAS 105°C 300 Volt  
UL Type FPL

### FIRE TEST:

Passes FT4 & UL1666

### TEMPERATURE:

-30°C Bend to +105°C

### INSULATION:

Flame Retardant Polyvinylchloride (PVC)

### JACKET:

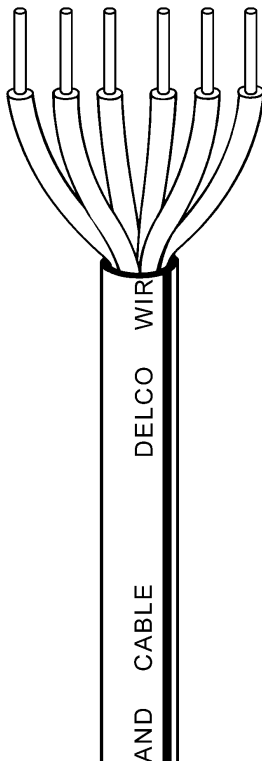
Red Flame Retardant Polyvinylchloride (PVC)

### COLOUR CODE:

Multi-Conductor Page 54

Multi-Pair Page 72 Table 8

Cables Over 30 Conductors BLACK and WHITE  
Number Coded



Delco Part No.	No. of Cond.	Nominal Jacket		Nominal Diameter		Nominal Weight	
		inch	mm	inch	mm	lbs/mft	kgs/km

### 18 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7200218	2	.030	.76	.213	5.41	26	39
72002P18	2	.030	.76	**		26	39
7200318	3	.030	.76	.225	5.72	33	49
7200418	*4	.030	.76	.244	6.20	41	61
7200518	5	.030	.76	.265	6.73	49	73
7200618	6	.032	.81	.292	7.42	60	89
7200818	8	.032	.81	.315	8.00	75	112
7201018	10	.032	.81	.353	8.97	91	135
7202018	20	.040	1.02	.460	11.68	175	260
7203018	30	.040	1.02	.557	14.15	245	365
7205018	50	.048	1.22	.701	17.81	410	610

### 16 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7200216	2	.030	.76	.234	5.94	34	51
7200316	3	.030	.76	.249	6.32	45	67
7200416	*4	.032	.81	.275	6.99	56	83
7200516	5	.032	.81	.282	7.16	68	101

### 14 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7200214	2	.030	.76	.258	6.55	52	77
7200414	*4	.032	.81	.303	7.70	87	129

### 12 awg Solid Bare Copper 0.020" (0.51 mm) PVC Insulation

7200212	2	.032	.81	.316	8.03	78	116
7200412	*4	.032	.81	.357	9.06	130	193

\*\* 2 Conductor Parallel .146" x .220" (3.71 mm x 5.59 mm)

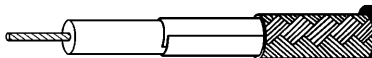
## MULTI-PAIRS

### 22 awg Solid Bare Copper 0.012" (0.30 mm) PVC Insulation

7300222	2 pr.	.030	.76	.232	5.88	22	33
7300322	3 pr.	.030	.76	.246	6.25	33	49
7300422	4 pr.	.030	.76	.266	6.76	42	63
7300622	6 pr.	.032	.81	.312	7.92	56	83
7300922	9 pr.	.032	.81	.358	9.09	86	128
7301222	12 pr.	.040	1.02	.414	10.52	104	155
7301522	15 pr.	.040	1.02	.448	11.38	120	179
7302722	27 pr.	.040	1.02	.584	14.83	201	299

\* We have changed the GREEN conductor in all of our four (4) conductor FAS cable to BROWN, meeting the requirements of ESA Rule 32-104 and eliminating the use of the green wire when used as a circuit wire

COLOUR CODE: 1 - Black 2 - Red 3 - Brown 4 - Blue





# FIRE ALARM-SECURITY

## FAS 105°C 300 VOLT FOIL SHIELDED

### APPLICATION:

Interconnection within the fire alarm security system, smoke and fire detectors, fire alarms and emergency communication systems.

### APPROVALS:

CSA C22.2 No. 208 FAS 105°C 300 Volt  
UL Type FPL

### FIRE TEST:

Passes FT4 & U1666

### TEMPERATURE:

-30°C Bend to +105°C

### INSULATION:

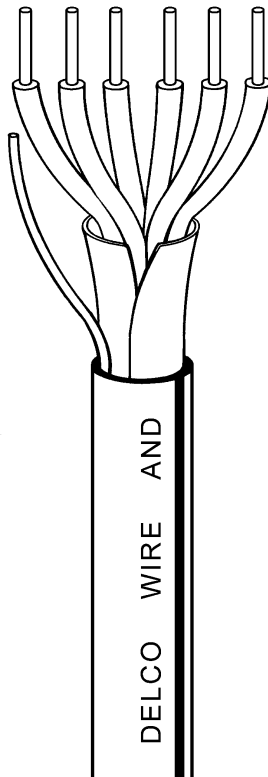
Flame Retardant Polyvinylchloride (PVC)

### SHIELD:

Aluminum/Mylar Complete with Drain Wire  
18 & 16 awg - 22 awg Drain Wire  
14 & 12 awg - 16 awg Drain Wire

### JACKET:

Red Flame Retardant Polyvinylchloride (PVC)



Delco Part No.	No. of Cond.	Nominal Jacket		Nominal Diameter		Nominal Weight	
		inch	mm	inch	mm	lbs/mft	kgs/km

### 18 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7250218	2	.030	.76	.216	5.49	29	43
7250318	3	.030	.76	.229	5.82	36	54
7250418	*4	.030	.76	.247	6.27	44	65
7250518	5	.032	.81	.268	6.81	53	79
7250618	6	.032	.81	.291	7.39	64	95
7250818	8	.040	1.02	.319	8.10	79	118
7251018	10	.040	1.02	.374	9.50	96	143
7252018	20	.040	1.02	.467	11.86	179	266
7253018	30	.040	1.02	.540	13.72	254	378
7255018	50	.048	1.22	.715	18.16	415	618

### 16 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7250216	2	.030	.76	.237	5.94	37	55
7250316	3	.030	.76	.250	6.35	48	71
7250416	*4	.032	.81	.281	7.14	61	91

### 14 awg Solid Bare Copper 0.015" (0.38 mm) PVC Insulation

7250214	2	.030	.76	.263	6.68	67	100
7250414	*4	.032	.81	.306	7.77	97	144

### 12 awg Solid Bare Copper 0.020" (0.51 mm) PVC Insulation

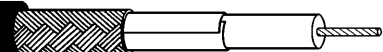
7250212	2	.032	.81	.303	7.70	88	131
7250412	*4	.032	.81	.372	9.45	141	210

### COLOUR CODE:

1 - Black	11 - Red/Black	21 - Red/Orange
2 - Red	12 - Green/Black	22 - Green/Orange
3 - Green	13 - Yellow/Black	23 - Brown/Orange
4 - Blue	14 - Green/Red	24 - White/Blue
5 - Brown	15 - Yellow/Red	25 - Red/Blue
6 - Orange	16 - White/Brown	26 - Yellow/Blue
7 - Black/White	17 - Green/Brown	27 - Brown/Blue
8 - Red/White	18 - Yellow/Brown	28 - Black/Red
9 - Green/White	19 - White/Orange	29 - White/Red
10 - Yellow/White	20 - Black/Orange	30 - Brown/Red

\* We have changed the GREEN conductor in all of our four (4) conductor FAS cable to BROWN, meeting the requirements of ESA Rule 32-104 and eliminating the use of the green wire when used as a circuit wire

COLOUR CODE: 1 - Black 2 - Red 3 - Brown 4 - Blue





# FIRE ALARM-SECURITY

## ALUMINUM INTERLOCKED ARMOUR FAS 105°C 300 VOLT

**APPLICATION:** Interconnection within the fire alarm security system, smoke and fire detectors, fire alarms and emergency communication systems.

**APPROVALS:** CSA C22.2 No. 208 FAS 105°C 300 Volt  
UL Type FPL

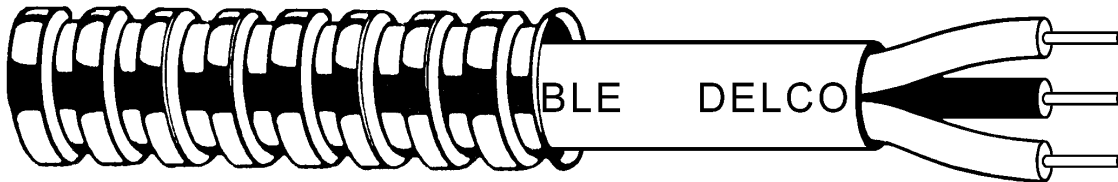
**FIRE TEST:** Passes FT4 & UL1666

**INSULATION:** Flame Retardant Polyvinylchloride (PVC)

**SHIELD:** Aluminum Interlocked Armour

**JACKET:** Red Flame Retardant Polyvinylchloride (PVC)

**COLOUR CODE:** Page 54



**18 awg** Solid  
Bare Copper  
**0.015" (0.38 mm)**  
PVC Insulation

Delco Part No.	No. of Cond.	Nominal Jacket		Nominal Diameter		Nominal Armour Diameter		Nominal Weight	
		inch	mm	inch	mm	inch	mm	lbs/mft	kgs/km
7400218	2	.052	1.32	.250	6.35	.451	11.46	81	121
7400318	3	.047	1.19	.250	6.35	.451	11.46	86	128
7400518	5	.035	.89	.265	6.73	.465	11.81	98	146
7400618	6	.040	1.02	.297	7.54	.497	12.62	109	162
7400818	8	.040	1.02	.319	8.10	.519	13.18	127	189
7401018	10	.040	1.02	.344	8.74	.544	13.82	151	225
7402018	20	.050	1.27	.476	12.09	.676	17.17	244	363
7403018	30	.050	1.27	.566	14.38	.766	19.46	328	488
7405018	50	.060	1.52	.710	18.03	.910	23.11	501	746

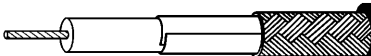
### SHIELDED and ARMoured

Aluminum/Mylar Shield

**18 awg** Solid  
Bare Copper  
**0.015" (0.38 mm)**  
PVC Insulation

Delco Part No.	No. of Cond.	Nominal Jacket		Nominal Diameter		Nominal Armour Diameter		Nominal Weight	
		inch	mm	inch	mm	inch	mm	lbs/mft	kgs/km
7450318	3	.047	1.19	.250	6.35	.451	11.46	86	128
7450518	5	.035	.89	.265	6.73	.465	11.81	98	146

NOTE: Although CSA FT4 fire rated, Section 32 Part 1 of the Canadian Electrical Code requires the use of metallic conduit or armour for fire alarm cable installations in non-combustible buildings.





# SECURITY-ALARM CABLE

## INSIDE WIRING "IWC" (or "PCC") FT4

**APPLICATION:** Intercommunication systems, security and alarm systems.

**TEMPERATURE:** -20°C to +60°C

**APPROVALS:** CSA CMG  
UL CM

**INSULATION:** Polyvinylchloride (PVC)

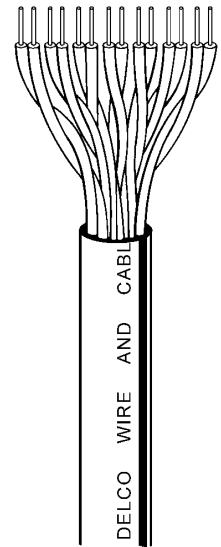
**VOLTAGE:** 300 Volts

**JACKET:** Polyvinylchloride (PVC)

**COLOUR CODE:** Page 72 Table 6

**22 awg** Solid  
Bare Copper  
**0.007" (0.18 mm)**  
PVC Insulation

Delco Part No.	No. of Pairs	Nominal Jacket		Nominal Diameter		Nominal Weight	
		inch	mm	inch	mm	lbs/mft	kgs/km
212202	2	.020	.51	.204	5.18	16	24
212203	3	.022	.56	.225	5.72	22	33
212204	4	.022	.56	.222	5.64	29	43
212206	6	.022	.56	.255	6.48	39	58
212209	9	.022	.56	.295	7.49	55	82
212212	12	.022	.56	.328	8.33	71	106
212216	16	.022	.56	.362	9.19	92	137
212220	20	.027	.69	.374	9.50	118	176
212225	25	.027	.69	.443	11.25	145	216
212230	30	.030	.76	.486	12.34	171	254



## STATION WIRING TYPE Z

**APPLICATION:** Telephone, intercom, security and alarm systems.

**INSULATION:** Polypropylene

**APPROVALS:** CSA C22.2 No. 214 ZSW FT4  
(CSA C22.2 No. 214 PCC FT1 or FT4 to order)

**JACKET:** Polyvinylchloride (PVC)

**COLOUR CODE:** 2 Cond. - Red/Green    3 Cond. - Red/Green/Yellow    4 Cond. - Red/Green/Yellow/Black

**22 awg**  
Bare Copper  
**0.007" (0.18 mm)**  
Insulation

Delco Part No.	No. of Cond.	AWG Size & Strand	Nominal Jacket		Nominal Diameter		Nominal Weight	
			inch	mm	inch	mm	lbs/mft	kgs/km
261202	2	22 Solid	.015	.38	.117	2.97	10	15
261203	3	22 Solid	.018	.46	.129	3.28	13	19
261204	4	22 Solid	.012	.30	.120	3.05	16	24
262204	4	22 (7 x 30)	.015	.38	.138	3.51	17	25

**22 awg PLENUM**  
Bare Copper  
**0.008" (0.20 mm)**  
Plenum PVC Insulation

261204P	4	22 Solid	.015	.38	.127	3.23	15	22
262204P	4	22 (7 x 30)	.015	.38	.148	3.76	17	25

