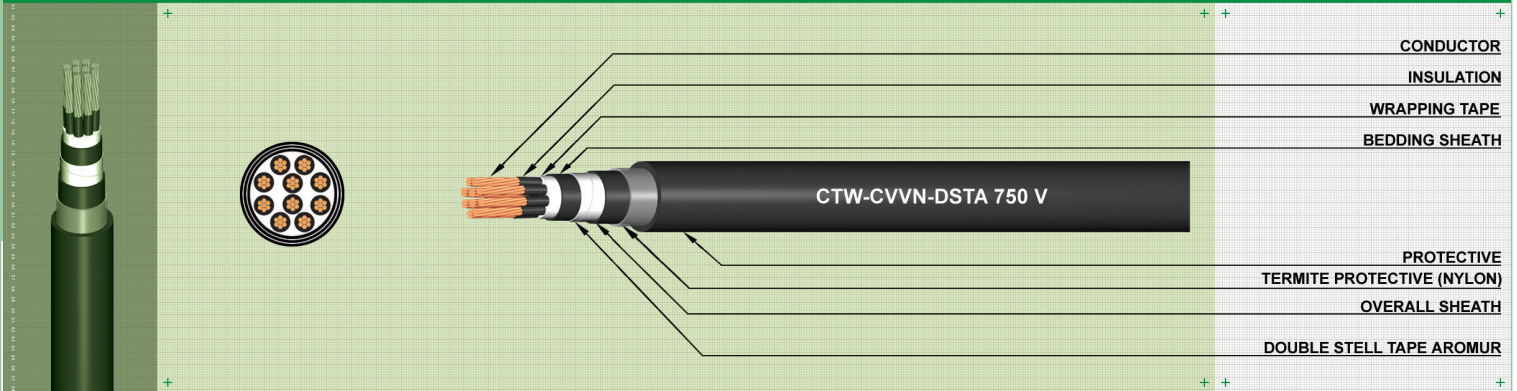




# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-CVVN-DSTA 750 V

: 750 V SIGNALLING AND POWER CABLE WITH NYLON TERMITE PROTECTIVE



### APPLICATION

: For controlling signals, lighting of signal lamps, controlling point machines and other signalling equipment within the inter locked signal area

### CLASSIFICATION

: Maximum conductor temperature 70°C  
 : Circuit voltage does not exceed 750 volts.

### CONSTRUCTION

Conductor : Plain annealed copper wire in according to BS 6360  
 Insulation : Polyvinyl chloride (PVC) insulation Type T11 in according to BS 6746  
 Core Identification : BLACK with continuous print numbered on cores  
 Bedding : BLACK Polyvinyl chloride (PVC) insulation Type T11 in according to BS 6746  
 Armour : Double galvanize steel tape (DSTA) armour thickness 0.2 mm.  
 Overall Sheath : BLACK Polyvinyl chloride (PVC) insulation Type T11 in according to BS 6746  
 Termite Protective : Nylon 12 thickness 0.5 mm.  
 Protective Sheath : Polyvinyl chloride (PVC) insulation Type T11 in according to BS 6746

### REFERENCE

BS 6346: 1997, BS 6360 : 1991 and BS 6746  
 \* AC Test Voltage 3 kV  
 \*\* Minimum insulation resistance at 20°C 350 (MΩ-km)

CTW-CVVN DSTA 750 V		Size (mm <sup>2</sup> )	Conductor		Thickness of insulation (mm.)	Thickness of bedding sheath (mm.)	Thickness of overall sheath (mm.)	Thickness of protective sheath (mm.)	Overall diameter (approx) (mm.)	Cable wight (approx) (kg/mm.)	Maximun conductor resistance at 20°C (Ω /km.)	Standard length (m/R)
Product code	No of core		Number & diameter of wire (No./mm.)	Diameter of conductor (mm.)								
C72021501	2	1.5	1/1.38	1.38	0.8	0.8	1.3	1.2	16	350	12.1	1,000
C72024501		1.5	7/0.50	1.50	0.8	0.8	1.3	1.2	16	350	12.1	1,000
C72021502		2.5	1/1.78	1.78	0.8	0.8	1.4	1.2	17	400	7.41	1,000
C72024502		2.5	7/0.67	2.01	0.8	0.8	1.4	1.2	17	400	7.41	1,000
C72024004		4	7/0.85	2.55	0.9	0.8	1.4	1.2	19	510	4.61	1,000
C72024606		6	7/1.04	3.12	0.9	0.8	1.5	1.2	20	600	3.08	1,000
C72024010		10	7/1.35	4.05	1.1	0.8	1.5	1.3	23	800	1.83	1,000
C72024016		16	7/1.70	5.10	1.1	0.8	1.6	1.3	25	1010	1.15	1,000
C72024025		25	7/2.14	6.42	1.3	1.0	1.7	1.4	29	1400	0.727	1,000



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CTW-CVVN DSTA 750 V		Size (mm <sup>2</sup> )	Conductor		Thickness of insulation (mm.)	Thickness of bedding sheath (mm.)	Thickness of overall sheath (mm.)	Thickness of protective sheath (mm.)	Overall diameter (approx) (mm.)	Cable wight (approx) (kg/mm.)	Maximun conductor resistance at 20°C (Ω /km.)	Standard length (m/R)
Product code	No of core		Number & diameter of wire (No./mm.)	Diameter of conductor (mm.)								
C72031501	3	1.5	1/1.38	1.38	0.8	0.8	1.4	1.2	16	390	12.1	1,000
C72034501		1.5	7/0.50	1.50	0.8	0.8	1.4	1.2	16	390	12.1	1,000
C72031502		2.5	1/1.78	1.78	0.8	0.8	1.4	1.2	17	450	7.41	1,000
C72034502		2.5	7/0.67	2.01	0.8	0.8	1.4	1.2	17	450	7.41	1,000
C72034504		4	7/0.85	2.55	0.9	0.8	1.4	1.2	19	580	4.61	1,000
C72034006		6	7/1.04	3.12	0.9	0.8	1.5	1.2	21	690	3.08	1,000
C72034010		10	7/1.35	4.05	1.1	0.8	1.5	1.3	24	950	1.83	1,000
C72041501	4	1.5	1/1.38	1.38	0.8	0.8	1.4	1.2	17	440	12.1	1,000
C72044501		1.5	7/0.50	1.50	0.8	0.8	1.4	1.2	17	440	12.1	1,000
C72041502		2.5	1/1.78	1.78	0.8	0.8	1.4	1.2	18	510	7.41	1,000
C72044502		2.5	7/0.67	2.01	0.8	0.8	1.4	1.2	18	510	7.41	1,000
C72044504		4	7/0.85	2.55	0.9	0.8	1.5	1.2	21	680	4.61	1,000
C72044006		6	7/1.04	3.12	0.9	0.8	1.5	1.2	22	810	3.08	1,000
C72044010		10	7/1.35	4.05	1.1	1.0	1.8	1.4	27	1200	1.83	1,000
C72051501	5	1.5	1/1.38	1.38	0.8	0.8	1.4	1.2	17	490	12.1	1,000
C72054501		1.5	7/0.50	1.50	0.8	0.8	1.4	1.2	17	490	12.1	1,000
C72051502		2.5	1/1.78	1.78	0.8	0.8	1.4	1.2	20	580	7.41	1,000
C72054502		2.5	7/0.67	2.01	0.8	0.8	1.4	1.2	20	580	7.41	1,000
C72054004		4	7/0.85	2.55	0.9	0.8	1.5	1.2	23	780	4.61	1,000
C72054006		6	7/1.04	3.12	0.9	1.0	1.8	1.2	25	1010	3.08	1,000
C72054010		10	7/1.35	4.05	1.1	1.0	1.8	1.4	29	1400	1.83	1,000
C72061501	6	1.5	1/1.38	1.38	0.8	0.8	1.4	1.2	20	550	12.1	1,000
C72064501		1.5	7/0.50	1.50	0.8	0.8	1.4	1.2	20	550	12.1	1,000
C72061502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.2	21	660	7.41	1,000
C72064502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.2	21	660	7.41	1,000
C72064004		4	7/0.85	2.55	0.9	0.8	1.6	1.3	24	910	4.61	1,000
C72064006		6	7/1.04	3.12	0.9	1.0	1.8	1.3	27	1150	3.08	1,000
C72064010		10	7/1.35	4.05	1.1	1.0	1.8	1.4	31	1610	1.83	1,000
C72071501	7	1.5	1/1.38	1.38	0.8	0.8	1.4	1.2	20	560	12.1	1,000
C72074501		1.5	7/0.50	1.50	0.8	0.8	1.4	1.2	20	560	12.1	1,000
C72071502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.2	21	680	7.41	1,000
C72074502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.2	21	680	7.41	1,000
C72074004		4	7/0.85	2.55	0.9	0.8	1.6	1.3	24	940	4.61	1,000
C72074006		6	7/1.04	3.12	0.9	1.0	1.8	1.3	27	1190	3.08	1,000
C72074010		10	7/1.35	4.05	1.1	1.0	1.8	1.4	31	1680	1.83	1,000
C72081501	8	1.5	1/1.38	1.38	0.8	0.8	1.5	1.2	21	630	12.1	1,000
C72084501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.2	21	630	12.1	1,000
C72081502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	22	760	7.41	1,000
C72084502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.3	22	760	7.41	1,000
C72084004		4	7/0.85	2.55	0.9	1.0	1.7	1.3	26	1090	4.61	1,000
C72084006		6	7/1.04	3.12	0.9	1.0	1.8	1.4	27	1350	3.08	1,000
C72084010		10	7/1.35	4.05	1.1	1.0	1.8	1.4	33	1900	1.83	1,000
C72091501	9	1.5	1/1.38	1.38	0.8	0.8	1.5	1.2	22	680	12.1	1,000
C72094501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.2	22	680	12.1	1,000
C72091502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	23	830	7.41	1,000
C72094502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.3	23	830	7.41	1,000
C72094004		4	7/0.85	2.55	0.9	1.0	1.7	1.3	28	1190	4.61	1,000
C72094006		6	7/1.04	3.12	0.9	1.0	1.8	1.4	30	1490	3.08	1,000
C72094010		10	7/1.35	4.05	1.1	1.2	1.9	1.6	36	2190	1.83	1,000



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CTW-CVVN DSTA 750 V		Size (mm <sup>2</sup> )	Conductor		Thickness of insulation (mm.)	Thickness of bedding sheath (mm.)	Thickness of overall sheath (mm.)	Thickness of protective sheath (mm.)	Overall diameter (approx) (mm.)	Cable wight (approx) (kg/mm.)	Maximun conductor resistance at 20°C (Ω /km.)	Standard length (m/R)
Product code	No of core		Number & diameter of wire (No./mm.)	Diameter of conductor (mm.)								
C72101501	10	1.5	1/1.38	1.38	0.8	0.8	1.5	1.3	23	750	12.1	1,000
C72104501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.3	23	750	12.1	1,000
C72101502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	24	1000	7.41	1,000
C72104502		2.5	7/0.67	2.10	0.8	0.8	1.5	1.3	24	1000	7.41	1,000
C72104004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	29	1320	4.61	1,000
C72104006		6	7/1.04	3.12	0.9	1.0	1.9	1.4	32	1640	3.08	1,000
C72104010		10	7/1.35	4.05	1.1	1.2	1.9	1.6	38	2400	1.83	1,000
C72111501	11	1.5	1/1.38	1.38	0.8	0.8	1.5	1.3	23	770	12.1	1,000
C72114501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.3	23	770	12.1	1,000
C72111502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	24	940	7.41	1,000
C72114502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.3	24	940	7.41	1,000
C72114004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	29	1370	4.61	1,000
C72114006		6	7/1.04	3.12	0.9	1.0	1.9	1.4	32	1715	3.08	1,000
C72114010		10	7/1.35	4.05	1.1	1.2	1.9	1.6	38	2530	1.83	1,000
C72121501	12	1.5	1/1.38	1.38	0.8	0.8	1.5	1.3	23	800	12.1	1,000
C72124501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.3	23	800	12.1	1,000
C72121502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	25	990	7.41	1,000
C72124502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.3	25	990	7.41	1,000
C72124004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	30	1450	4.61	1,000
C72124006		6	7/1.04	3.12	0.9	1.0	1.9	1.4	33	1820	3.08	1,000
C72124010		10	7/1.35	4.05	1.1	1.2	2.1	1.6	40	2740	1.83	1,000
C72131501	13	1.5	1/1.38	1.38	0.8	0.8	1.5	1.3	24	840	12.1	1,000
C72134501		1.5	7/0.50	1.50	0.8	0.8	1.5	1.3	24	840	12.1	1,000
C72131502		2.5	1/1.78	1.78	0.8	0.8	1.5	1.3	25	1030	7.41	1,000
C72134502		2.5	7/0.67	2.01	0.8	0.8	1.5	1.3	25	1030	7.41	1,000
C72134004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	31	1520	4.61	1,000
C72134010		6	7/1.04	3.12	0.9	1.0	1.9	1.4	34	1910	3.08	1,000
C72134010		10	7/1.36	4.08	1.1	1.26	2.3	1.7	43	2900	1.83	500
C72141501	14	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	25	890	12.1	1,000
C72144501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	25	890	12.1	1,000
C72141502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	27	1150	7.41	1,000
C72144502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	27	1150	7.41	1,000
C72144004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	32	1600	4.61	1,000
C72144506		6	7/1.04	3.12	0.9	1.0	1.9	1.6	35	2050	3.08	1,000
C72144010		10	7/1.37	4.08	1.1	1.26	2.3	1.7	44	3060	1.83	500
C72151501	15	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	25	520	12.1	1,000
C72154501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	25	520	12.1	1,000
C72151502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	28	1200	7.41	1,000
C72154502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	28	1200	7.41	1,000
C72154004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	32	1670	4.61	1,000
C72154506		6	7/1.04	3.12	0.9	1.0	1.9	1.6	36	2150	3.08	1,000
C72154010		10	7/1.38	4.08	1.1	1.26	2.3	1.7	45	3210	1.83	500
C72161501	16	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	26	970	12.1	1,000
C72164501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	26	970	12.1	1,000
C72161502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	28	1260	7.41	1,000
C72164502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	28	1260	7.41	1,000
C72164004		4	7/0.85	2.55	0.9	1.0	1.7	1.4	33	1760	4.61	1,000
C72164506		6	7/1.04	3.12	0.9	1.0	1.9	1.6	36	2270	3.08	1,000
C72164010		10	7/1.39	4.08	1.1	1.26	2.3	1.7	46	3400	1.83	500



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CTW-CVVN DSTA 750 V		Size (mm <sup>2</sup> )	Conductor		Thickness of insulation (mm.)	Thickness of bedding sheath (mm.)	Thickness of overall sheath (mm.)	Thickness of protective sheath (mm.)	Overall diameter (approx) (mm.)	Cable wight (approx) (kg/mm.)	Maximun conductor resistance at 20°C (Ω /km.)	Standard length (m/R)
Product code	No of core		Number & diameter of wire (No./mm.)	Diameter of conductor (mm.)								
C72171501	17	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	26	1010	12.1	1,000
C72174501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	26	1010	12.1	1,000
C72171502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	29	1310	7.41	1,000
C72174502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	29	1310	7.41	1,000
C72174004		4.0	7/0.85	2.55	0.9	1.0	1.7	1.4	34	1840	4.61	1,000
C72174506		6.0	7/1.04	3.12	0.9	1.0	1.9	1.6	37	2370	3.08	1,000
C72174010		10	7/1.40	4.08	1.1	1.26	2.3	1.7	47	3560	1.83	500
C72181501	18	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	27	1050	12.1	1,000
C72184501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	27	1050	12.1	1,000
C72181502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	29	1370	7.41	1,000
C72184502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	29	1370	7.41	1,000
C72184004		4.0	7/0.85	2.55	0.9	1.0	1.7	1.4	34	1930	4.61	1,000
C72184506		6.0	7/1.04	3.12	0.9	1.0	1.9	1.6	38	2490	3.08	1,000
C72184010		10	7/1.41	4.08	1.1	1.26	2.3	1.7	48	3750	1.83	500
C72191501	19	1.5	1/1.38	1.38	0.8	0.8	1.6	1.3	27	1050	12.1	1,000
C72194501		1.5	7/0.50	1.50	0.8	0.8	1.6	1.3	27	1050	12.1	1,000
C72191502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	29	1380	7.41	1,000
C72194502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	29	1380	7.41	1,000
C72194004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	35	2000	4.61	1,000
C72194506		6.0	7/1.04	3.12	0.9	1.2	2.1	1.6	39	2620	3.08	1,000
C72194010		10	7/1.42	4.08	1.1	1.26	2.3	1.7	48	3810	1.83	500
C72201501	20	1.5	1/1.38	1.38	0.8	1.0	1.6	1.3	28	1160	12.1	1,000
C72204501		1.5	7/0.50	1.50	0.8	1.0	1.6	1.3	28	1160	12.1	1,000
C72201502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	30	1470	7.41	1,000
C72204502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	30	1470	7.41	1,000
C72204004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	36	2110	4.61	1,000
C72204506		6.0	7/1.04	3.12	0.9	1.2	2.1	1.8	40	2800	3.08	1,000
C72204010		10	7/1.43	4.08	1.1	1.26	2.3	1.7	50	4030	1.83	500
C72211501	21	1.5	1/1.38	1.38	0.8	1.0	1.6	1.3	29	1220	12.1	1,000
C72214501		1.5	7/0.50	1.50	0.8	1.0	1.6	1.3	29	1220	12.1	1,000
C72211502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	31	1540	7.41	1,000
C72214502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	31	1540	7.41	1,000
C72214004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	37	2230	4.61	1,000
C72214506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	42	2970	3.08	1,000
C72214010		10	7/1.44	4.08	1.1	1.26	2.3	1.7	52	4260	1.83	500
C72221501	22	1.5	1/1.38	1.38	0.8	1.0	1.6	1.3	29	1250	12.1	1,000
C72224501		1.5	7/0.50	1.50	0.8	1.0	1.6	1.3	29	1250	12.1	1,000
C72221502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	31	1590	7.41	1,000
C72224502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	31	1590	7.41	1,000
C72224004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	37	2290	4.61	1,000
C72224506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	42	3060	3.08	500
C72224010		10	7/1.45	4.08	1.1	1.26	2.3	1.7	52	4400	1.83	500
C72231501	23	1.5	1/1.38	1.38	0.8	1.0	1.6	1.3	29	1280	12.1	1,000
C72234501		1.5	7/0.50	1.50	0.8	1.0	1.6	1.3	29	1280	12.1	1,000
C72231502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	32	1620	7.41	1,000
C72234502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	32	1620	7.41	1,000
C72234004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	38	2340	4.61	1,000
C72234506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	43	3140	3.08	500
C72234010		10	7/1.46	4.08	1.1	1.26	2.3	1.7	53	4500	1.83	500



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-CVVN-DSTA 750 V

: 750 V SIGNALLING AND POWER CABLE WITH NYLON TERMITE PROTECTIVE

CTW-CVVN DSTA 750 V		Size (mm <sup>2</sup> )	Conductor		Thickness of insulation (mm.)	Thickness of bedding sheath (mm.)	Thickness of overall sheath (mm.)	Thickness of protective sheath (mm.)	Overall diameter (approx) (mm.)	Cable wight (approx) (kg/mm.)	Maximun conductor resistance at 20°C (Ω /km.)	Standard length (m/R)
Product code	No of core		Number & diameter of wire (No./mm.)	Diameter of conductor (mm.)								
C72241501	24	1.5	1/1.38	1.38	0.8	1.0	1.6	1.3	31	1330	12.1	1,000
C72244501		1.5	7/0.50	1.50	0.8	1.0	1.6	1.3	31	1330	12.1	1,000
C72241502		2.5	1/1.78	1.78	0.8	1.0	1.7	1.4	33	1690	7.41	1,000
C72244502		2.5	7/0.67	2.01	0.8	1.0	1.7	1.4	33	1690	7.41	1,000
C72244004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	39	2440	4.61	1,000
C72244506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	45	3270	3.08	500
C72244010		10	7/1.47	4.08	1.1	1.26	2.3	1.7	55	4710	1.83	500
C72251501	25	1.5	1/1.38	1.38	0.8	1.0	1.7	1.4	31	1350	12.1	1,000
C72254501		1.5	7/0.50	1.50	0.8	1.0	1.7	1.4	31	1350	12.1	1,000
C72251502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.4	33	1720	7.41	1,000
C72254502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.4	33	1720	7.41	1,000
C72254004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	39	2500	4.61	1,000
C72254506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	45	3350	3.08	500
C72254010		10	7/1.48	4.08	1.1	1.26	2.3	1.7	55	4840	1.83	500
C72261501	26	1.5	1/1.38	1.38	0.8	1.0	1.7	1.4	31	1380	12.1	1,000
C72264501		1.5	7/0.50	1.50	0.8	1.0	1.7	1.4	31	1380	12.1	1,000
C72261502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.4	33	1760	7.41	1,000
C72264502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.4	33	1760	7.41	1,000
C72264004		4.0	7/0.85	2.55	0.9	1.0	1.8	1.6	39	2560	4.61	1,000
C72264506		6.0	7/1.04	3.12	0.9	1.2	2.2	1.8	45	3430	3.08	500
C72264010		10	7/1.49	4.08	1.1	1.26	2.3	1.7	55	4960	1.83	500
C72271501	27	1.5	1/1.38	1.38	0.8	1.0	1.7	1.4	31	1410	12.1	1,000
C72274501		1.5	7/0.50	1.50	0.8	1.0	1.7	1.4	31	1410	12.1	1,000
C72271502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.6	34	1840	7.41	1,000
C72274502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.6	34	1840	7.41	1,000
C72274004		4.0	7/0.85	2.55	0.9	1.2	2.0	1.8	41	2750	4.61	1,000
C72274506		6.0	7/1.04	3.12	0.9	1.2	2.3	1.8	46	3550	3.08	500
C72274010		10	7/1.50	4.08	1.1	1.26	2.3	1.7	56	5120	1.83	500
C72281501	28	1.5	1/1.38	1.38	0.8	1.0	1.7	1.4	31	1470	12.1	1,000
C72284501		1.5	7/0.50	1.50	0.8	1.0	1.7	1.4	31	1470	12.1	1,000
C72281502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.6	34	1920	7.41	1,000
C72284502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.6	34	1920	7.41	1,000
C72284004		4.0	7/0.85	2.55	0.9	1.2	2.0	1.8	41	2880	4.61	1,000
C72284506		6.0	7/1.04	3.12	0.9	1.2	2.3	1.8	46	3730	3.08	500
C72284010		10	7/1.51	4.08	1.1	1.26	2.3	1.7	56	5250	1.83	500
C72291501	29	1.5	1/1.38	1.38	0.8	1.0	1.7	1.4	31	1530	12.1	1,000
C72294501		1.5	7/0.50	1.50	0.8	1.0	1.7	1.4	31	1530	12.1	1,000
C72291502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.6	34	1970	7.41	1,000
C72294502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.6	34	1970	7.41	1,000
C72294004		4.0	7/0.85	2.55	0.9	1.2	2.0	1.8	42	3020	4.61	500
C72294506		6.0	7/1.04	3.12	0.9	1.2	2.3	1.8	46	3860	3.08	500
C72294010		10	7/1.52	4.08	1.1	1.26	2.3	1.7	57	5400	1.83	500
C72301501	30	1.5	1/1.38	1.38	0.8	1.0	1.8	1.4	32	1530	12.1	1,000
C72304501		1.5	7/0.50	1.50	0.8	1.0	1.8	1.4	32	1530	12.1	1,000
C72301502		2.5	1/1.78	1.78	0.8	1.0	1.8	1.6	35	1970	7.41	1,000
C72304502		2.5	7/0.67	2.01	0.8	1.0	1.8	1.6	35	1970	7.41	1,000
C72304004		4.0	7/0.85	2.55	0.9	1.2	2.2	1.8	43	3020	4.61	500
C72304506		6.0	7/1.04	3.12	0.9	1.2	2.4	1.8	47	3860	3.08	500
C72304010		10	7/1.53	4.08	1.1	1.26	2.3	1.7	58	5570	1.83	500