



# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : CTW-FRC-XL 600S (WITH ARMOUR) 0.6/1(1.2)kV

SINGLE CORE COPPER CONDUCTOR CROSS-LINKED INSULATED METALLIC WIRE ARMOUR LSHF SHEATHED



CONSTRUCTION		APPLICATION	CLASSIFICATION
<b>Conductor</b>	Concentric lay round stranded copper	Preferably used for installation into conduit and open tray whereby a prevention of major fire hazard and the cable offer safety during in case of fire	Maximum conductor temperature 90°C Circuit voltage does not exceed 1,000 volts. AC test voltage 3.5 kV
<b>Fire Barrier</b>	Mineral ceramic (Mica) fire resistance tape		
<b>Insulation</b>	Cross-linked low smoke & halogen free compound Colour : Nature	<b>REFERENCE</b>	
<b>Bedding</b>	Low smoke & halogen free flame retardant (LSHF : ST8) Colour : Orange (any colour as requested)		
<b>Armour</b>	Aluminium wire armour (AWA)	IEC 60502-1 : Construction	
<b>Wrapping Tape</b>	Flame retardant tape	BS 6387 : Fire Resistance Test Category CWZ	
<b>Outer Sheath</b>	Low smoke & halogen free flame retardant (LSHF : ST8) Colour : Orange (any colour as requested)	IEC 60332-3 : Flame propagation test category C	
		IEC 61034 : Smoke emission test	
		IEC 60754-1 : Halogen Content Test	
		IEC 60754-2 : Acid gas emission test	

CTW-FRC-XL 600S		Conductor			Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Sheath	Overall Diameter (Approx.)	Cable Weight (Approx.)	Maximum Conductor Resistance at 20°C	Minimum Insulation Resistance at 90°C	Standard Packing
		Nominal Cross-Sectional Area	Number of Wire	Diameter (Approx.)									
PRODUCT CODE	Size Core x sq.mm.	sq.mm	No.	mm.	mm.	mm.	mm.	mm.	mm.	kg/km	Ω/km	MΩ-km	m.
C02EQ014501	1C x 1.5	1.5	7	1.56	0.7	1.0	0.9	1.4	13.1	235	12.10	1.0209	1,000/R
C02EQ014502	1C x 2.5	2.5	7	2.01	0.7	1.0	0.9	1.4	13.4	255	7.41	0.8425	1,000/R
C02EQ014004	1C x 4	4	7	2.52	0.7	1.0	0.9	1.4	13.8	275	4.61	0.7043	1,000/R
C02EQ014006	1C x 6	6	7	3.09	0.7	1.0	0.9	1.4	14.1	305	3.08	0.5956	1,000/R
C02EQ014010	1C x 10	10	7	3.99	0.7	1.0	0.9	1.4	14.4	345	1.83	0.4794	1,000/R
C02EQ018016	1C x 16	16	7	4.69	0.7	1.0	0.9	1.4	14.8	400	1.15	0.4164	1,000/R
C02EQ018025	1C x 25	25	7	5.90	0.9	1.0	0.9	1.4	15.8	505	0.727	0.4244	1,000/R
C02EQ018035	1C x 35	35	7	6.95	0.9	1.0	0.9	1.4	16.9	625	0.524	0.3671	1,000/R
C02EQ018050	1C x 50	50	19	8.33	1.0	1.0	1.3	1.5	19.4	830	0.387	0.3430	1,000/R
C02EQ018070	1C x 70	70	19	9.73	1.1	1.0	1.3	1.5	21.0	1,070	0.268	0.3249	1,000/R
C02EQ018095	1C x 95	95	19	11.45	1.1	1.0	1.3	1.6	22.9	1,355	0.193	0.2802	1,000/R
C02EQ018120	1C x 120	120	19	12.95	1.2	1.0	1.6	1.7	25.7	1,715	0.153	0.2710	1,000/R
C02EQ018150	1C x 150	150	37	14.27	1.4	1.0	1.6	1.7	28.9	2,130	0.124	0.2856	1,000/R
C02EQ018185	1C x 185	185	37	15.98	1.6	1.0	1.6	1.8	29.7	2,460	0.0991	0.2910	1,000/R
C02EQ018240	1C x 240	240	37	18.47	1.7	1.0	1.6	1.9	34.3	3,230	0.0754	0.2694	500/R
C02EQ018300	1C x 300	300	61	20.68	1.8	1.0	1.6	1.9	35.1	3,740	0.0601	0.2558	500/R
C02EQ018400	1C x 400	400	61	23.39	2.0	1.2	2.0	2.1	39.8	4,805	0.0470	0.2517	500/R
C02EQ018500	1C x 500	500	61	26.67	2.2	1.2	2.0	2.2	43.7	5,905	0.0366	0.2434	250/R
C02EQ018630	1C x 630	600	91	30.20	2.4	1.2	2.0	2.3	51.1	7,785	0.0283	0.2352	250/R

C = Packing in coil

Fire resistant & Flame retardant cable

R = Packing in reel