



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-FLC/LSHF-SL 600S 0.6/1(1.2)kV

SINGLE CORE COPPER CONDUCTOR CROSS-LINKED INSULATED NON-SHEATHED



CONSTRUCTION		APPLICATION	CLASSIFICATION
Conductor	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
Insulation	Cross-linked low smoke & halogen free compound Colour : Black (any colour as requested).		Circuit voltage does not exceed 1,000 volts. AC test voltage 3.5 kV
REFERENCE			
		IEC 60502-1	: Construction
		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-FLC/LSHF-SL 600S		Conductor			Thickness of Insulation	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	kg/km	Ω/km	MΩ-km	m
C0280014501	1C x 1.5	1.5	7	1.56	0.7	3.4	30	12.10	1.0209	1,000/R
C0280014502	1C x 2.5	2.5	7	2.01	0.7	3.6	40	7.41	0.8425	1,000/R
C0280014004	1C x 4	4	7	2.52	0.7	4.1	55	4.61	0.7043	1,000/R
C0280014006	1C x 6	6	7	3.09	0.7	4.7	75	3.08	0.5956	1,000/R
C0280014010	1C x 10	10	7	3.99	0.7	5.6	115	1.83	0.4794	1,000/R
C0280018016	1C x 16	16	7	4.69	0.7	6.3	165	1.15	0.4164	1,000/R
C0280018025	1C x 25	25	7	5.90	0.9	7.9	260	0.727	0.4244	1,000/R
C0280018035	1C x 35	35	7	6.95	0.9	9.4	360	0.524	0.3671	1,000/R
C0280018050	1C x 50	50	19	8.33	1.0	10.6	475	0.387	0.3430	1,000/R
C0280018070	1C x 70	70	19	9.73	1.1	12.2	670	0.268	0.3249	1,000/R
C0280018095	1C x 95	95	19	11.45	1.1	13.9	915	0.193	0.2802	1,000/R
C0280018120	1C x 120	120	19	12.95	1.2	15.6	1,150	0.153	0.2710	1,000/R
C0280018150	1C x 150	150	37	14.27	1.4	17.4	1,420	0.124	0.2856	1,000/R
C0280018185	1C x 185	185	37	15.98	1.6	19.5	1,780	0.0991	0.2910	1,000/R
C0280018240	1C x 240	240	37	18.47	1.7	22.2	2,325	0.0754	0.2694	1,000/R
C0280018300	1C x 300	300	61	20.68	1.8	24.6	2,900	0.0601	0.2558	500/R
C0280018400	1C x 400	400	61	23.39	2.0	27.8	3,695	0.0470	0.2517	500/R
C0280018500	1C x 500	500	61	26.67	2.2	31.5	4,650	0.0366	0.2434	500/R
C0280018630	1C x 630	600	91	30.20	2.4	36.0	6,030	0.0283	0.2352	250/R

C = Packing in coil

Fire resistant & Flame retardant cable

R = Packing in reel