



CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : CTW-FRC-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 Circuit voltage does not exceed 1,000 volts. AC test voltage 3.5 kV
Fire Barrier	Mineral ceramic (Mica) fire resistance tape		
Insulation	Cross-linked low smoke & halogen free compound Colour : Orange (any colour as requested).		
REFERENCE			
IEC 60502-1 : Construction			
BS 6387 : Fire Resistance Test Category CWZ			
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-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
C02EP014501	1C x 1.5	1.5	7	1.56	0.7	4.9	45	12.10	1.0209	1,000/R
C02EP014502	1C x 2.5	2.5	7	2.01	0.7	5.3	60	7.41	0.8425	1,000/R
C02EP014004	1C x 4	4	7	2.52	0.7	5.5	70	4.61	0.7043	1,000/R
C02EP014006	1C x 6	6	7	3.09	0.7	5.7	85	3.08	0.5956	1,000/R
C02EP014010	1C x 10	10	7	3.99	0.7	6.4	130	1.83	0.4794	1,000/R
C02EP018016	1C x 16	16	7	4.69	0.7	7.1	185	1.15	0.4164	1,000/R
C02EP018025	1C x 25	25	7	5.90	0.9	8.7	275	0.727	0.4244	1,000/R
C02EP018035	1C x 35	35	7	6.95	0.9	11.0	400	0.524	0.3671	1,000/R
C02EP018050	1C x 50	50	19	8.33	1.0	10.4	490	0.387	0.3430	1,000/R
C02EP018070	1C x 70	70	19	9.73	1.1	12.0	695	0.268	0.3249	1,000/R
C02EP018095	1C x 95	95	19	11.45	1.1	13.7	940	0.193	0.2802	1,000/R
C02EP018120	1C x 120	120	19	12.95	1.2	15.5	1,180	0.153	0.2710	1,000/R
C02EP018150	1C x 150	150	37	14.27	1.4	17.5	1,470	0.124	0.2856	1,000/R
C02EP018185	1C x 185	185	37	15.98	1.6	19.3	1,815	0.0991	0.2910	1,000/R
C02EP018240	1C x 240	240	37	18.47	1.7	22.2	2,375	0.0754	0.2694	1,000/R
C02EP018300	1C x 300	300	61	20.68	1.8	24.5	2,940	0.0601	0.2558	500/R
C02EP018400	1C x 400	400	61	23.39	2.0	27.6	3,745	0.0470	0.2517	500/R
C02EP018500	1C x 500	500	61	26.67	2.2	31.3	4,705	0.0366	0.2434	500/R
C02EP018630	1C x 630	600	91	30.20	2.4	37.0	6,210	0.0283	0.2352	250/R

C = Packing in coil

Fire resistant & Flame retardant cable

R = Packing in reel