

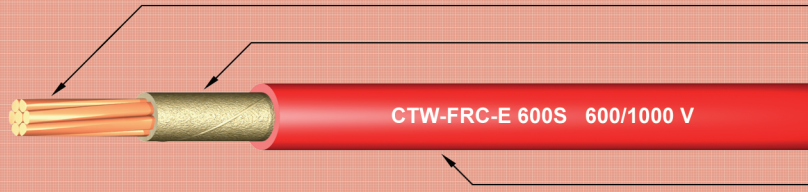


CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW-FRC-E 600S**

SINGLE CORE LOW SMOKE & HALOGEN FREE FIRE RESISTANT CABLES (NON-SHEATHED) 600/1000 V

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CONDUCTOR

FIRE BARRIER (MICA TAPE)

INSULATION

CONSTRUCTION

Conductor	Compact or Round concentric lay stranded copper -CR : Concentric lay stranded of conductor : $\leq 10 \text{ mm}^2$ -CP : Compact round concentric lay stranded of conductor : $> 10 \text{ mm}^2$
Fire Barrier	Mineral ceramic (Mica) fire resistant tape.
Insulation	Low smoke & halogen free Cross-linked polyethylene (LSHF-XLPE : EI5). Red Colour (Other colours to special order).

STANDARDS ACHIEVED

Construction	Based on BS 7211
Circuit integrity	BS 6387 Categories C, W, Z
Flame propagation	BS 4066-3 Categories C IEEE 383
Acid gas emission	BS 6425-2 (BS EN 50267-2-2)
Smoke emission	BS 7622-2 (BS EN 50268-2)

APPLICATION

Preferably used for installation into trunking and conduit where by a prevention of major fire hazard and continue supply electricity in case of fire.

CLASSIFICATION

Maximum conductor temperature 90 °C,
Circuit voltage does not exceed 1,000 volts.
AC Test Voltage : 2.5 kV

CTW-FRC-E 600S	Conductor			Thickness of insulation mm	Overall diameter (Approx.) mm	Cable weight (Approx.) kg/km	Maximum conductor resistance at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ - km	Allowable ampacities in free air at 40° (ambient) A	Standard packing m	
	PRODUCT CODE	SIZE core x mm ²	Nominal cross-sectional area mm ²								Number and diameter of wire No./mm
C65014501	1 x 1.5	1.5	7/0.50 : CR	1.50	0.7	3.80	25	12.1	0.0100	24	100/C
C65014502	1 x 2.5	2.5	7/0.67 : CR	2.01	0.8	4.60	40	7.41	0.0090	33	100/C
C65014004	1 x 4	4	7/0.85 : CR	2.55	0.8	5.10	55	4.61	0.0077	44	100/C
C65014006	1 x 6	6	7/1.04 : CR	3.12	0.8	5.70	75	3.08	0.0065	57	100/C
C65014010	1 x 10	10	7/1.35 : CR	4.05	1.0	7.00	120	1.83	0.0065	79	300/R
C65018016	1 x 16	16	7 : CP	4.69	1.0	7.60	175	1.15	0.0050	105	300/R
C65018025	1 x 25	25	7 : CP	5.90	1.2	9.30	270	0.727	0.0050	145	300/R
C65018035	1 x 35	35	7 : CP	6.95	1.2	10.50	370	0.524	0.0043	180	300/R
C65018050	1 x 50	50	19 : CP	8.33	1.4	12.20	530	0.387	0.0043	220	300/R
C65018070	1 x 70	70	19 : CP	9.73	1.4	13.70	720	0.268	0.0035	280	300/R
C65018095	1 x 95	95	19 : CP	11.45	1.6	16.00	980	0.193	0.0035	350	300/R
C65018120	1 x 120	120	19 : CP	12.95	1.6	17.50	1,200	0.153	0.0032	405	300/R
C65018150	1 x 150	150	37 : CP	14.27	1.8	19.20	1,500	0.124	0.0032	465	300/R
C65018185	1 x 185	185	37 : CP	15.98	2.0	22.00	1,880	0.0991	0.0032	540	300/R
C65018240	1 x 240	240	37 : CP	18.47	2.2	24.40	2,400	0.0754	0.0032	645	300/R
C65018300	1 x 300	300	61 : CP	20.68	2.4	27.10	3,000	0.0601	0.0030	740	300/R

C = Packing in coil
R = Packing in reel

