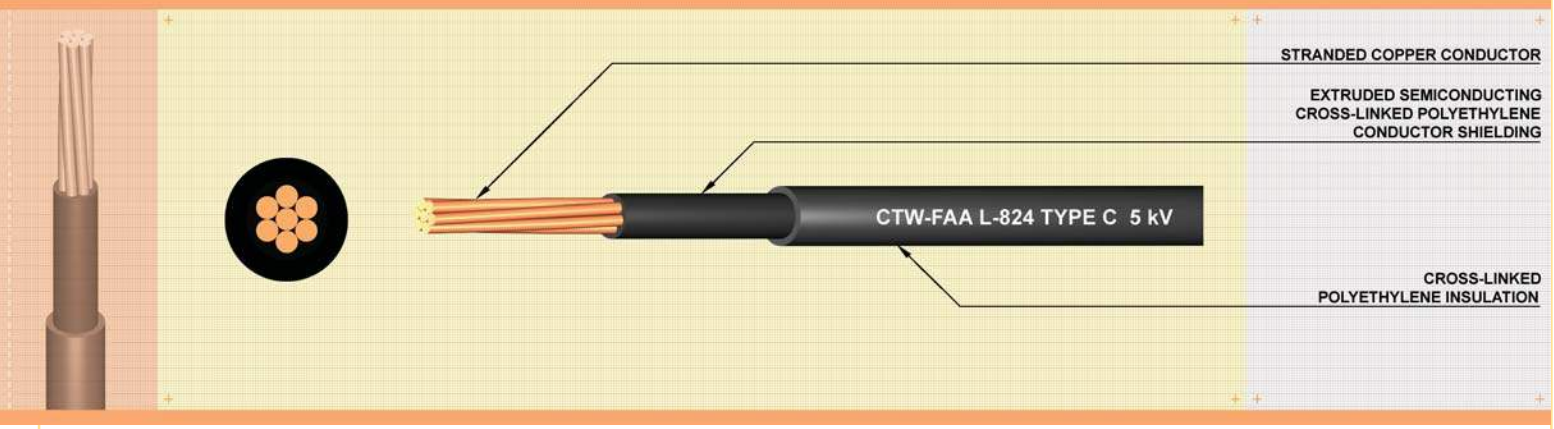
CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

CABLE TYPE : **CTW - FAA L - 824 TYPE C 5 kV**

SINGLE CONDUCTOR XLPE INSULATED FOR AIRPORT LIGHTING & CONTROL CABLE



CONSTRUCTION		APPLICATION	CLASSIFICATION	REFERENCE
Conductor	Concentric stranded annealed copper (Left-hand direction for outer layer). 7 wires for class B 19 wires for class C in accordance with ASTM B3 & B8.	These are single conductor 5000 volts nonshielded power cables suitable for underground installation for lighting at airports per FAA L-824 Type C and AC 150/5345-7E.	Maximum Conductor Temperature - Normal operation 90 °C. - Emergency overload conditions 130°C. - Short circuit conditions 250°C.	FAA L-824 Type C at 2001-5000 volts With ICEA S-96-659 / NEMA WC71-1999.
Conductor Shield	Extruded semi-conducting cross-linked polyethylene (XLPE) compound.	They are rated for use at 90 °C wet or dry conditions.	Maximum operating voltage 5 kV.	** AC rms = 13 kV & DC = 35 kV
Insulation	Black cross-linked polyethylene (XLPE) compound.	FAA L-824 cables are suitable for use in conduit, duct, aerial and direct burial installations.		

CTW-FAA L-824 TYPE C 5 kV		Conductor			Thickness of insulation	Overall diameter (Approx.)	Cable weight (Approx.)	Maximum DC. conductor resistance at 20°C	Minimum insulation resistance at 15.6°C	Allowable ampacities in free air at 40°C (ambient)	Standard length
PRODUCT CODE	SIZE core x AWG	Nominal cross sectional area AWG	Number & diameter of wire No. / mm	Diameter (Approx.) mm	in (mm)	mm	kg/km	Ω/km	MΩ-km	A	m/R
K3J061008	1 x 8	8	7 / 1.23	3.69	0.110 (2.8)	10.5	150	2.14	2,100	80	1,000
K3J061008*	1 x 8	8	19 / 0.75	3.75	0.110 (2.8)	10.5	150	2.14	2,100	80	1,000
K3J061006	1 x 6	6	7 / 1.55	4.65	0.110 (2.8)	11.5	200	1.35	1,900	110	1,000
K3J061006*	1 x 6	6	19 / 0.95	4.75	0.110 (2.8)	11.5	200	1.35	1,900	110	1,000
K3J061004	1 x 4	4	7 / 1.96	5.88	0.110 (2.8)	13.0	290	0.85	1,600	145	1,000
K3J061004*	1 x 4	4	19 / 1.20	6.00	0.110 (2.8)	13.0	290	0.85	1,600	145	1,000

R = Packing in reel