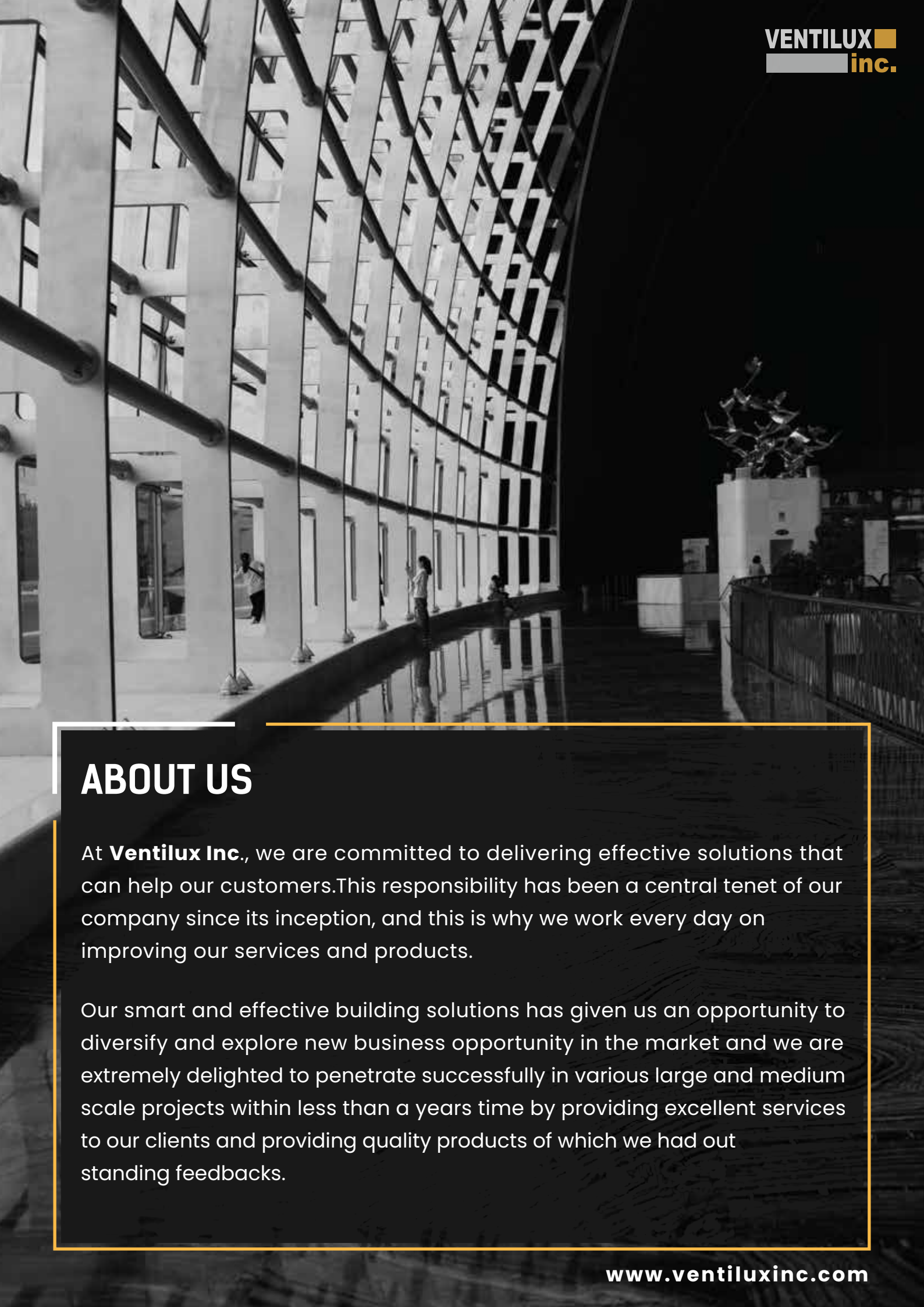
PRODUCT CATALOGUE

VENTILUX inc.



VENTILUX inc.

ABOUT US

At **Ventilux Inc**., we are committed to delivering effective solutions that can help our customers.This responsibility has been a central tenet of our company since its inception, and this is why we work every day on improving our services and products.

Our smart and effective building solutions has given us an opportunity to diversify and explore new business opportunity in the market and we are extremely delighted to penetrate successfully in various large and medium scale projects within less than a years time by providing excellent services to our clients and providing quality products of which we had out standing feedbacks.


VENTILUX inc.
FIRE
CABLE
RoHS
IEC
ISO
UL
BS

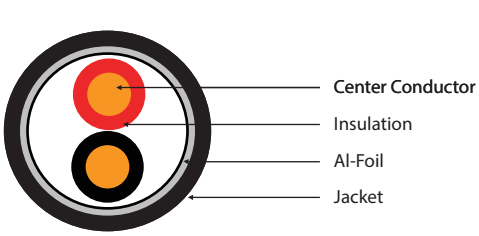
VENTILUX inc.

SPECIALISED CABLE

SPECIALISED

FIRE CABLE

FIRE ALARM CABLE



TECHNICAL SPECIFICATIONS

Recommended Use: To be used with Fire Detection System in order to integrate Smoke, Heat, CO_2 Detectors, Call Station and Alarm Sounder with the respective FACP (Fire Alarm Control Panel), Exit and Emergency Lighting System, Electrical Signal Communication and Control Battery System.

Foil covering is to provide extra Protective Layer to the solid/flexible cores

To be used for the integration of Fire System, connection(s) distance from one point onto another should not exceed 270 Feet (ideally) for better signal communication. Laying of a single coil in full is recommended in order to have less joining connections.

CONDUCTOR TYPE

Flexible Copper Conductor (2 x 1.23 mm^2)
Solid Copper Conduuctor (2 x 1.23 mm^2)

LSZH

This cable will produce (Low Smoke Zero Halogen Gas) when exposed to fire.

LENGTH

100 Meters

COLOR

(Red)

STANDARD

BS 7629, 5839, GB/T19666-2005

APPLICATIONS

Fire Detection System
Exit and Emergency Lighting
Electrical Signal Communication
Central Control Battery System

Mechanical Characteristics

Test Object	Jacket
Test Material	LSZH
Before Tensile Strength (Mpa)	≥10
Aging Elongation (%)	≥100
Aging Condition (°C Xhrs)	100 X168
After Tensile Strength (Mpa)	≥70%
Aging Elongation (%)	≥60%
Cold Bend (-20°C X4hrs)	No Crack
Jacket Impact Test (-15 C)	No Crack
Jacket Longitudinal Shrinkage (%)	≤5

Construction

Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Jacket	LSZH
Al-Foil	Yes
Drain Wire	Yes
Plastic Wrap	Yes
Fibre Mica Tape	Yes
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5

Electrical Characteristics

High Voltage Test (KV)	1500
Conductor DCR @ 20°C (ohm/km)	12.1~20.1
Insulation Resistance Min.(MΩ/KM)	0.009

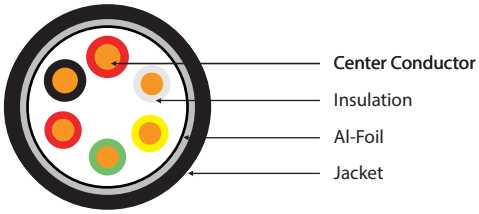
VENTILUX inc.

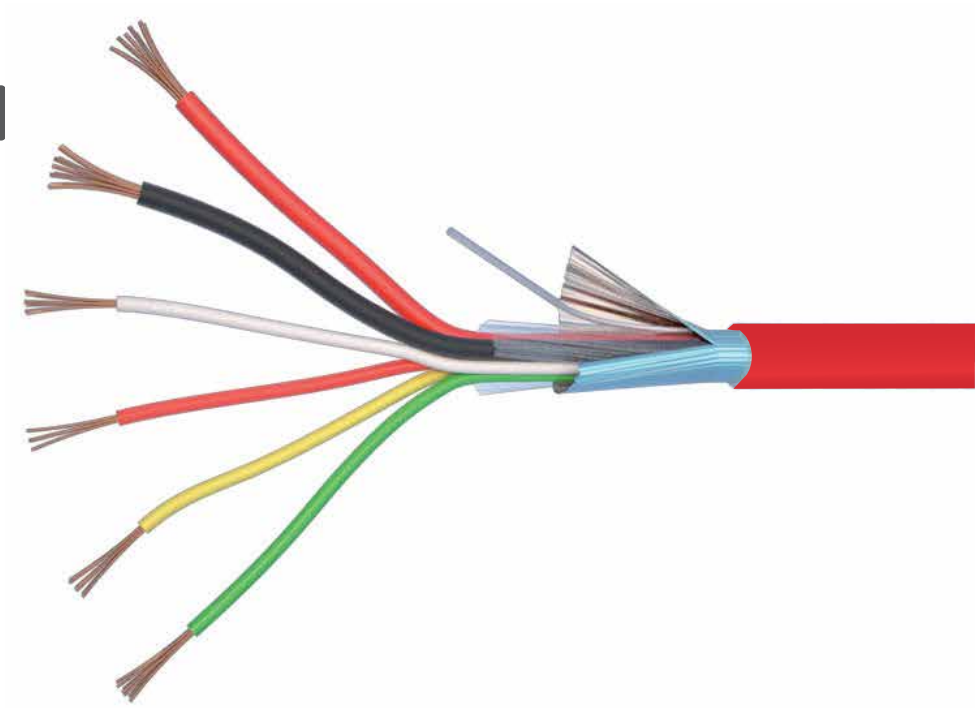
SPECIALISED CABLE

SPECIALISED

ALARM CABLE

ALARM CABLE SHIELDED





INNER CONDUCTOR

Stranded Red Copper

FEDDING WIRE 0,75MM²

Red Copper 14 X 0,240

STANDARD

BS 7629, 5839, GB/T19666-2005

SIGNAL WIRE 0,22MM

Red Copper 7 X 0,180

INSULATION

Thickness > 0,20mm
Thickness > 0,30mm

OVERALL ALUMINIUM/POLYESTER FOIL

Drainage Wire Red Copper Ø 5/10

FEEDING WIRE 0,50MM

Red Copper 9 X 0,250

ASSEMBLY

Helicoidal with Polyester Foil

LENGTH

100 Meters

COLOR

(Red)

Mechanical Characteristics

Operating Temperature Range	-15°C / +80°C
Min. Bend Radius (Install)	12 x Ø
Min. Insulation Resistance	200 MΩ/Km
Voltage According	400V
Aging Condition (°C Xhrs)	100 X 168
After Tensile Strength (Mpa)	≥70%
Aging Elongation (%)	≥60%
Cold Bend (-20°C X4hrs)	No Crack
Jacket Impact Test (-15 C)	No Crack
Jacket Longitudinal Shrinkage (%)	≤5

Construction

Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Al-Foil	Yes
Drain Wire	Yes
Jacket	LSZH
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5

Electrical Characteristics

Nominal Voltage	150V / 200V
Test Voltage (1min/50Hz)	1000V / 2000V
Max Electrical Resistance 20°	96Ω /40Ω

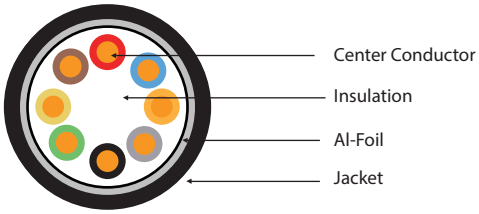
VENTILUX inc.

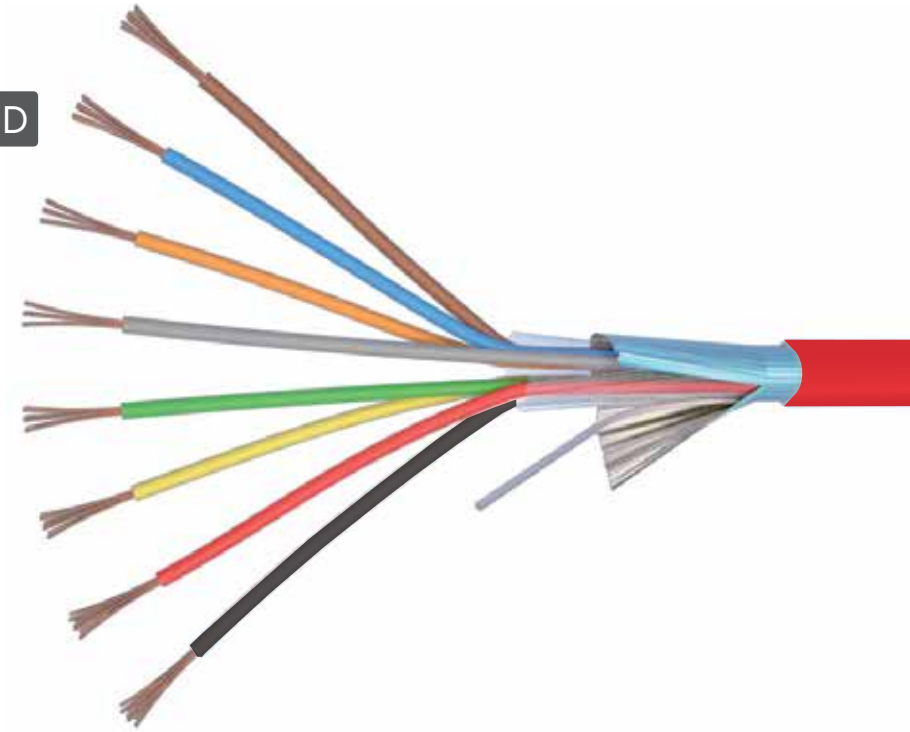
SPECIALISED CABLE

SPECIALISED

ALARM CABLE

CCA ALARM CABLE SHIELDED





INNER CONDUCTOR

CCA - Stranded 40% CCA

FEDDING WIRE 0,75MM²

Red Copper 14 X 0,240

STANDARD

BS 7629, 5839, GB/T19666-2005

SIGNAL WIRE 0,22MM

CCA 7 X 0,200

INSULATION

Thickness > 0,20mm
Thickness > 0,30mm

OVERALL ALUMINIUM/POLYESTER FOIL

Drainage Wire CCA 6 X 0,200

FEEDING WIRE 0,50MM

CCA 16 X 0,200

ASSEMBLY

Helicoidal with Polyester Foil

LENGTH

100 Meters

COLOR

(Red)

Mechanical Characteristics

Operating Temperature Range	-15°C / +80°C
Min. Bend Radius (Install)	12 x Ø
Min. Insulation Resistance	200 MΩ/Km
Voltage According	400V
Aging Condition (°C Xhrs)	100 X 168
After Tensile Strength (Mpa)	≥70%
Aging Elongation (%)	≥60%
Cold Bend (-20°C X4hrs)	No Crack
Jacket Impact Test (-15 C)	No Crack
Jacket Longitudinal Shrinkage (%)	≤5

Construction

Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Al-Foil	Yes
Drain Wire	Yes
Jacket	LSZH
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5

Electrical Characteristics

Nominal Voltage	150V / 200V
Test Voltage (1min/50Hz)	1000V / 2000V
Max Electrical Resistance 20°	105Ω / 46Ω

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