

PRODUCT
CATALOGUE

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.

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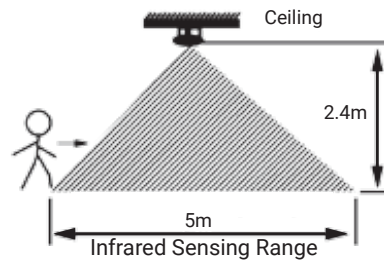
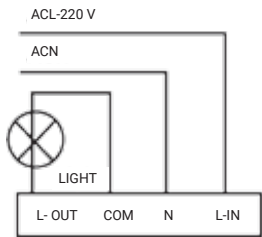
LIGHTING SENSOR



SPECIALISED

LIGHTING SENSOR

OCCUPANCY SENSOR
CEILING MOUNTED



MODEL NO: VENTI-OS101 CMSQ

DESCRIPTION

Ceiling Recessed Presence Detection also known as Occupancy Sensor used to Control the Lighting System for Maximum Energy Savings Through Motion Detection.

Technical Specifications

Power Source	100~130 V/AC, 220~240 V/AC, 90~250 V/AC
Power Frequency	50 - 60 Hz
Ambient Light	< 10 Lux
Rated Load	1000 W (220~240 V/AC), 800W (100~130 V/AC)
Detection Angle	120° - 180° (360°T)
Sensor Area	3 - 5 Diameter
Time - Delay	16 Seconds - 15 Min
Power Consumption	0.45 W (Static 0.1 W)
Installation Height	2 - 4 m
Detection Motion Speed	0.6 - 1.5 m/s
Working Humidity	< 93% RH



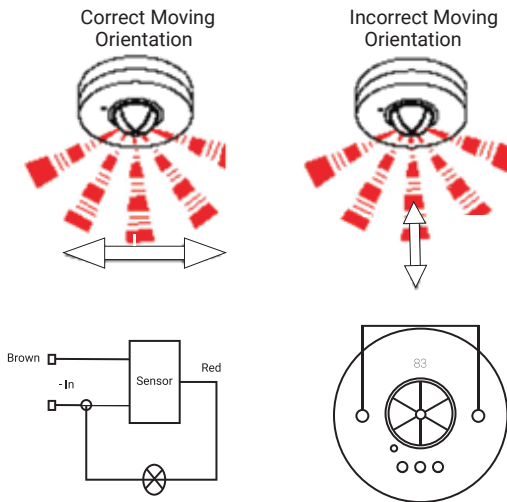
**Effective Energy Management with
Professional Occupancy Sensors**

SPECIALISED
LIGHTING SENSOR

OCCUPANCY SENSOR
SURFACE MOUNTED



MODEL NO: VENTI-OS100



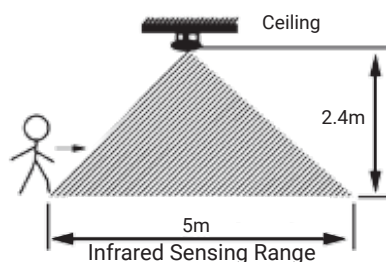
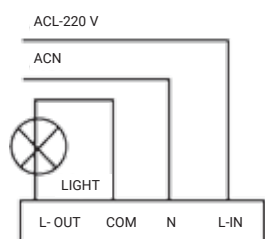
DESCRIPTION

Surface Mounted Presence Detection also known as Occupancy Sensor used to Control the Lighting System for Maximum Energy Savings Through Motion Detection.

Technical Specifications

Power Source	100~130 V/AC, 220~240 V/AC, 90~250 V/AC
Power Frequency	50 - 60 Hz
Ambient Light	< 10 Lux
Rated Load	1200W, 3000W (220~240 V/AC), 800W (100~130 V/AC)
Detection Angle	120° - 180° (360°T)
Sensor Area	3 - 5 Diameter
Time - Delay	16 Seconds - 15 Min
Power Consumption	0.45 W (Static 0.1 W)
Installation Height	2 - 4 m
Detection Motion Speed	0.6 - 1.5 m/s
Working Humidity	< 93% RH

SPECIALISED
LIGHTING SENSOR
OCCUPANCY SENSOR



MODEL NO: VENTI-OS101 CM

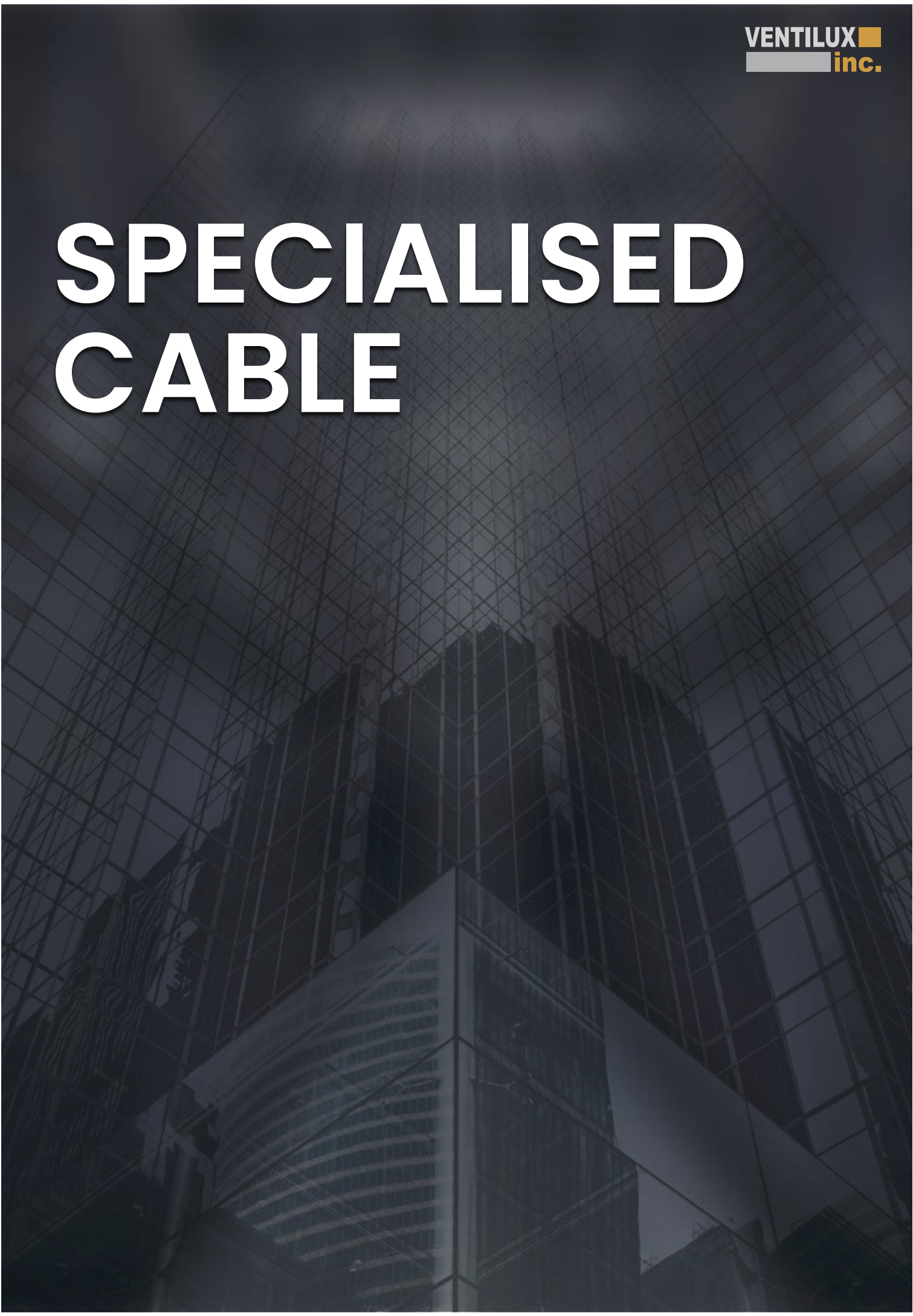
DESCRIPTION

Ceiling Recessed Presence Detection also known as Occupancy Sensor used to Control the Lighting System for Maximum Energy Savings Through Motion Detection.

Technical Specifications

Power Source	100~130 V/AC, 220~240 V/AC, 90~250 V/AC
Power Frequency	50 - 60 Hz
Ambient Light	< 10 Lux
Rated Load	1200W, 2000W, 2600W (220~240 V/AC), 800W (100~130 V/AC)
Detection Angle	120° - 180° (360°T)
Sensor Area	3 - 5 Diameter
Time - Delay	16 Seconds - 15 Min
Power Consumption	0.45 W (Static 0.1 W)
Installation Height	2 - 4 m
Detection Motion Speed	0.6 - 1.5 m/s
Working Humidity	< 93% RH

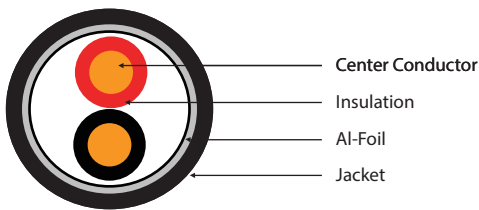
SPECIALISED CABLE



FIRE CABLE

SPECIALISED
FIRE CABLE

FIRE ALARM CABLE



TECHNICAL SPECIFICATIONS

Recommended Use: To be used with Fire Detection System in order to integrate Smoke, Heat, CO₂ 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 mm²)
- Solid Copper Conductor (2 x 1.23 mm²)

LSZH

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

LENGTH COLOR

100 Meters ● (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

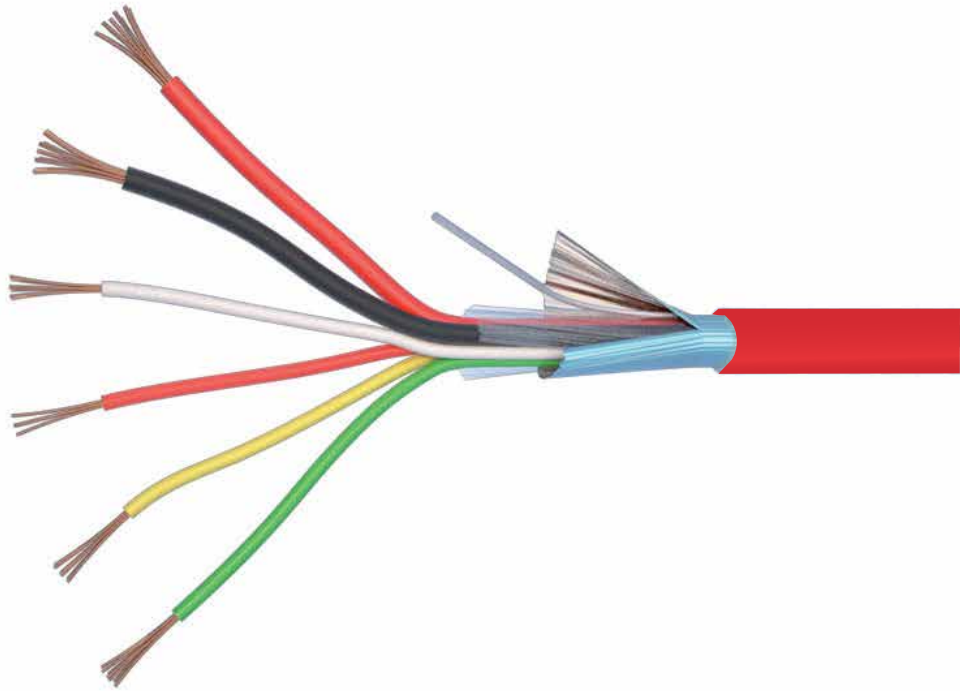
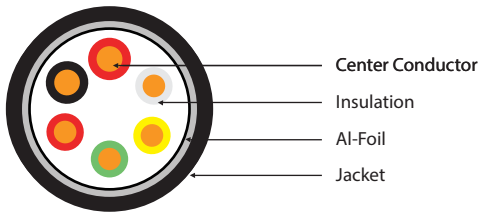
Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Jacket	LSZH
Al-Foil	Yes
Drain Wire	Yes
Plastic Wrap	Yes
Fibre Mica Tape	Yes
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5

Electrical Characteristics

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

SPECIALISED
ALARM CABLE

ALARM CABLE SHIELDED



SHIELDING

100% Coverage

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

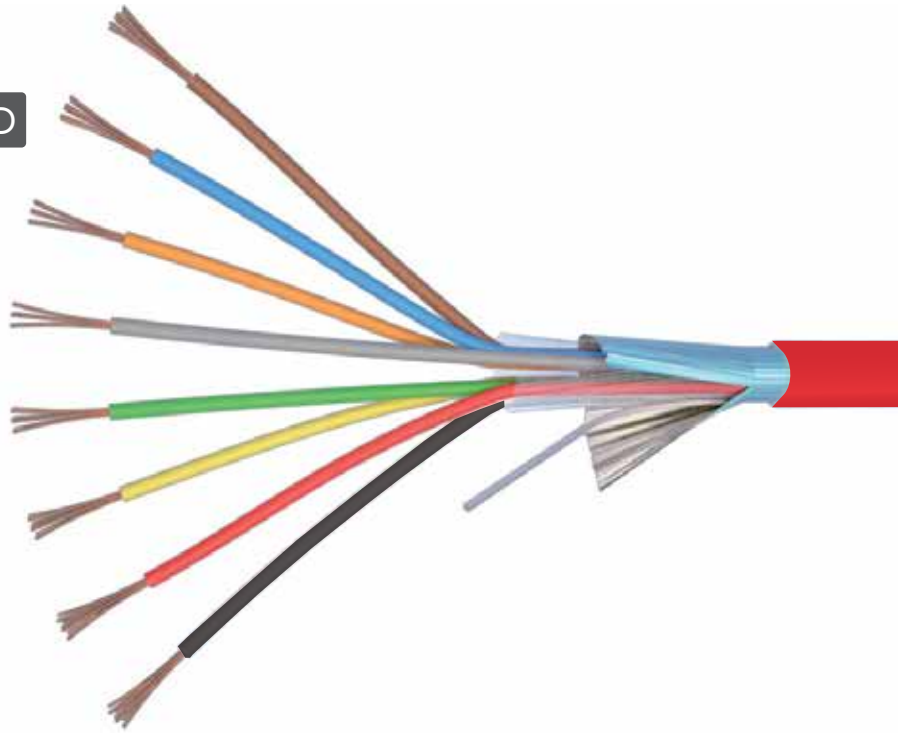
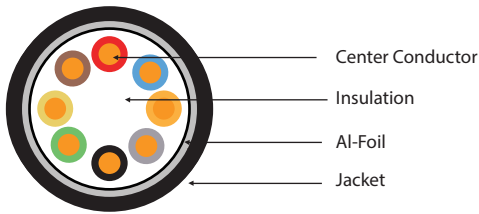
Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Al-Foil	Yes
Drain Wire	Yes
Jacket	LSZH
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5

Electrical Characteristics

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

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

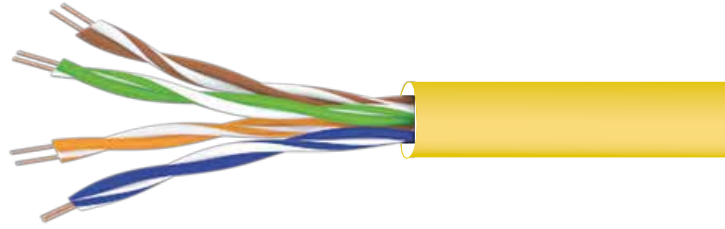
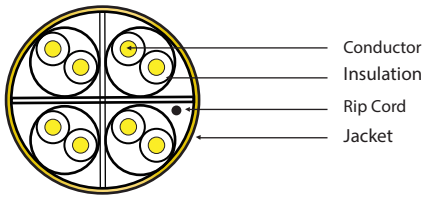
Nominal Voltage	150V / 200V
Test Voltage (1min/50Hz)	1000V / 2000V
Max Electrical Resistance 20°	105Ω / 46Ω

NETWORK CABLE

SPECIALISED

NETWORK CABLE

CAT6 UTP 23AWG



TECHNICAL SPECIFICATIONS

High Speed CAT 6, UTP Copper Networking Cable 0.56mm 23AWG

CONDUCTOR DC RESISTANCE

100Ω / 305m

DC RESISTANCE UNBALANCE

3% (Maximum)

MUTUAL CAPACITANCE

55.8 pF / m

CAPACITANCE UNBALANCE

100+ 15% (1-250MHz)

SEQUENTIAL FOOTAGE

Mk / 2 Ft starting at 1000 ft

PAIR ASSY

Two Primary Twisted Varied Lays

RIP CORD NYLON

High Strength

APPLICATIONS

Data Communication
Binary Communication

LENGTH

305 Meters

COLOR ● (Yellow)

CABLE ASSY

4 X Pair Cabled Together Around a Central Separator

STANDARD

UL444, TIA/EIA568B & ISO/IEC 11801.
UTP TYPE -100 Ω (DATA COMMUNICATION)

INSULATION COLOR

Blue, White/Blue,
Green, White/Green,
Brown, White/Brown,
Orange, White/Orange.

DELTA DELAY

18 ns / 100 M (max)

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

Electrical Characteristics

1.0-100.0MHz Impedance (ohms)	100±15
1.0-100.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance	≤330
Max. Conductor DC Resistance 20oC	73.2
Resistance Unbalance (%)	≤5

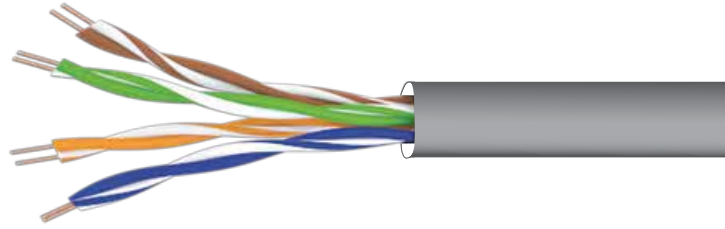
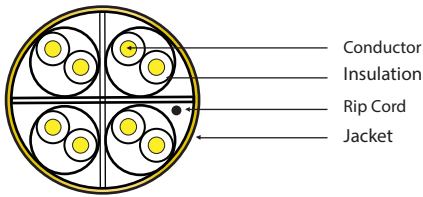
Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

SPECIALISED

NETWORK CABLE

CAT6 UTP/CPT 23AWG



TECHNICAL SPECIFICATIONS

High Speed CAT 6, CPT Copper Networking Cable 0.56mm 23AWG

CONDUCTOR DC RESISTANCE

100Ω / 305m

DC RESISTANCE UNBALANCE

3% (Maximum)

MUTUAL CAPACITANCE

55.8 pF / m

CAPACITANCE UNBALANCE

100+ 15% (1-250MHz)

COLOR ● (Grey)

SEQUENTIAL FOOTAGE

Mk / 2 Ft starting at 1000 ft

PAIR ASSY

Two Primary Twisted Varied Lays

RIP CORD NYLON

High Strength

APPLICATIONS

Data Communication
Binary Communication

LENGTH

305 Meters

CABLE ASSY

4 X Pair Cabled Together Around a Central Separator

STANDARD

UL444, TIA/EIA568B & ISO/IEC 11801
CPT TYPE- 75 Ω (BINARY COMMUNICATION/
TELEPHONE CABLE)

INSULATION COLOR

Blue, White/Blue,
Green, White/Green,
Brown, White/Brown,
Orange, White/Orange.

DELTA DELAY

18 ns / 100 M (max)

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

Electrical Characteristics

1.0-100.0MHz Impedance (ohms)	100±15
1.0-100.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance	≤330
Max. Conductor DC Resistance 20oC	73.2
Resistance Unbalance (%)	≤5

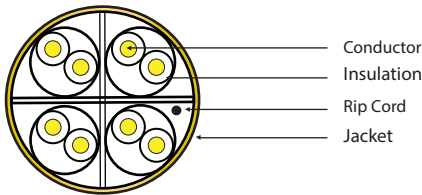
Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

SPECIALISED

NETWORK CABLE

UTP-FTP LAN NETWORK CABLE



INNER CONDUCTOR

CAT5 = Bare Copper 1x24 AWG (0,51mm)
CAT6 = Bare Copper 1x23 AWG (0,57mm)

ASSEMBLY

Paired Wires

COLOR ● (Grey)

INSULATION

UTP-FTP 24 AWG
UTP-FTP 23 AWG

SHIELDING (ONLY FTP)

Overall Aluminium/Polyester Foil

LENGTH

305 Meters

HDPE

Diameter Ø 0,91 mm (±0,02)
Diameter Ø 1,00 mm (±0,02)

JACKET

PVC
LSZH

INSULATION COLOR

Blue, White/Blue,
Green, White/Green,
Brown, White/Brown,
Orange, White/Orange.

Mechanical Characteristics

Operating Temperature Range	-20°C / +60°C
Min. Bend Radius (Install)	8 x Ø / 10 x Ø
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

Electrical Characteristics

Characteristic Impedance (1-100MHz)	100 ± 15
Max Unbalance Capacitance	2,5% / 2%
Max Capacitance	3,3 pF/m
Velocity of propagation (100 MHz)	56 pF/m
	0,62 cm/s

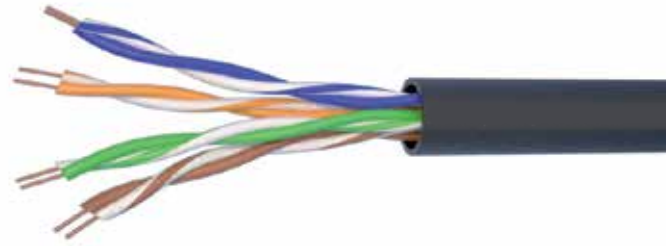
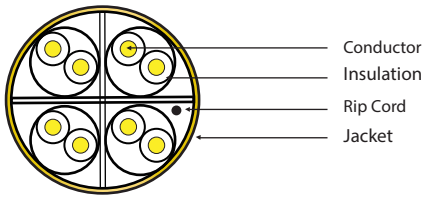
Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

SPECIALISED

NETWORK CABLE

OUTDOOR UTP LAN NETWORK CABLE



INNER CONDUCTOR

Bare Copper 4 X 2 X 24 AWG
Bare Copper 1 x 24 AWG (0,51mm)

ASSEMBLY

Paired Wires

"JELLY" OUTDOOR

Black PE ●

INSULATION

UTP-FTP 24 AWG
UTP-FTP 23 AWG

SHIELDING (ONLY FTP)

Overall Aluminium/Polyester Foil

LENGTH

305 Meters

HDPE THICKNESS

Diameter Ø 0,91 mm (±0,02)
Diameter Ø 1,00 mm (±0,02)

JACKET

Double Jacket In PVC

INSULATION COLOR

Blue, White/Blue,
Green, White/Green,
Brown, White/Brown,
Orange, White/Orange.

Mechanical Characteristics

Operating Temperature Range	-20°C / +60°C
Min. Bend Radius (Install)	8 x Ø
Before Tensile Strength (Mpa)	≥13.0
Aging Elongation (%)	≥150
Aging Condition (°C Xhrs)	100 X 240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack

Electrical Characteristics

Characteristic Impedance (1-100MHz)	100 ± 15
Max Unbalance Capacitance	2,5%
Max Capacitance	3,3 pF/m
Velocity of propagation (100 MHz)	56 pF/m
	0,62 cm/s

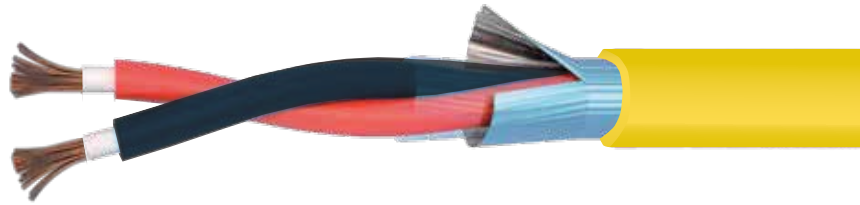
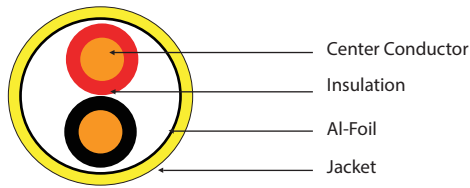
Construction

Center Conductor	Bare Copper
AWG	23
Diameter (mm)	0.57+0.01
Insulation	PVC / PE
Nom. Thickness (mm)	0.23
Min. Thickness (mm)	0.17
Insulation Diameter	1.03+0.03
Twisting Lay Length (mm)	32 (Underneath)
Cablling Lay Length (mm)	210(Underneath)
Jacket	LSZH/PVC/PE
Nom. Thickness (mm)	0.60
Min. Thickness (mm)	0.43
Outer Diameter (mm)	6.20+0.30
Rip Cord	Yes

PUBLIC ADDRESS SIGNAL CABLE

SPECIALISED

PUBLIC ADDRESS SIGNAL CABLE



TECHNICAL SPECIFICATIONS

Signal Cable used for the integration of Public Address System, Voice Evacuation System, and Electrical Signal Communication. 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.

APPLICATIONS

- Public Address System
- Voice Evacuation System
- Electrical Signal Communication

CONDUCTOR TYPE

Flexible Copper Conductor (2 x 1.23 mm)

LENGTH

100 Meters

STANDARD

BS 7629, 5839, GB/T19666-2005

COLOR

● (Yellow)

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
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

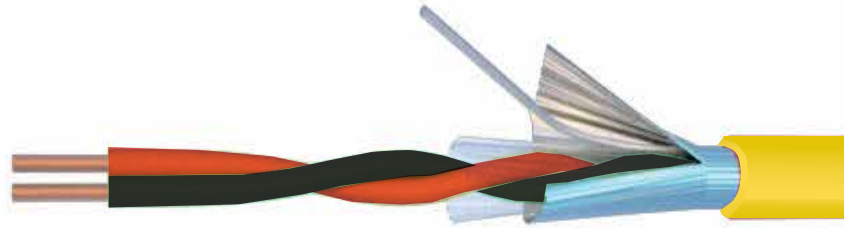
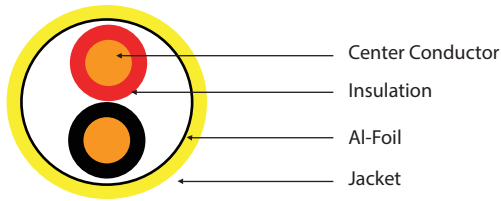
Center Conductor	Bare Copper
Diameter (mm)	1.23
Outer Diameter (mm)	1.5
Insulation	PVC
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5
Al-Foil	Yes
Drain Wire	Yes
Jacket	PVC

Electrical Characteristics

High Voltage Test (KV)	1500
Conductor DCR @ 20°C (ohm/km)	13.3~20.1
Insulation Resistance Min.(MΩ/KM)	0.009

SPECIALISED

PUBLIC ADDRESS SIGNAL CABLE



TECHNICAL SPECIFICATIONS

Signal Cable used for the integration of Public Address System, Voice Evacuation System, and Electrical Signal Communication. 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.

APPLICATIONS

- Public Address System
- Voice Evacuation System
- Electrical Signal Communication

CONDUCTOR TYPE

Solid Copper Conductor (2 x 1.23 mm)

LENGTH

100 Meters

STANDARD

BS 7629, 5839, GB/T19666-2005

COLOR

● (Yellow)

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
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
Inner Core Diameter	2 x 1.23
Overall Diameter	2 x 1.5
Al-Foil	Yes
Drain Wire	Yes
Jacket	PVC

Electrical Characteristics

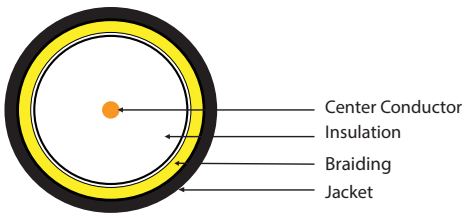
High Voltage Test (KV)	1500
Conductor DCR @ 20°C (ohm/km)	13.3~20.1
Insulation Resistance Min.(MΩ/KM)	0.009



COAXIAL CABLE



SPECIALISED
RG6 CABLE
COAXIAL CABLE



RECOMMENDED USE

CCTV Camera (Analogue High Definition). This cable may also be suitable for acquiring cable television signals depending on network provider(s) requirement.

APPLICATIONS

- Television
- CCTV
- ELV, Other

STANDARD

IEC 61196, BS EN 50117, UL13, UL444.

RATED TEMPERATURE

70°C

LENGTH:

100 Meters

COLOR ● (Yellow)

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥12
Aging Elongation (%)	≥100
Aging Condition (°C Xhrs)	100 X240
After Tensile Strength (Mpa)	≥85%
Aging Elongation (%)	≥50%
Cold Bend (-20°C X4hrs)	No crack
Jacket Impact Test (-15°C)	No crack
Jacket Longitudinal Shrinkage (%)	≤5
Center Conductor Bond to Dielectric (N)	≤2.3
Nom. Capacitance (pF/m)	53.2
Conductor DCR @ 20°C (ohm/km)	≤119
Nom. Velocity of Propagation (%)	80

Construction

Center Conductor	Bare Copper
Diameter (mm)	1.02
AWG	18
Insulation	Foam PVC/PE
Insulation Diameter (mm)	4.60
Braid Shield	Al/CU
Construction (mm)	16/5/0.12
Coverage Area (%)	60
Jacket	PVC/PE

Electrical Characteristics

Dielectric Strength (kv/min)	1.0
Impedance (ohms)	75.0
SRL (dB, 5~400MHz)	≥20

