



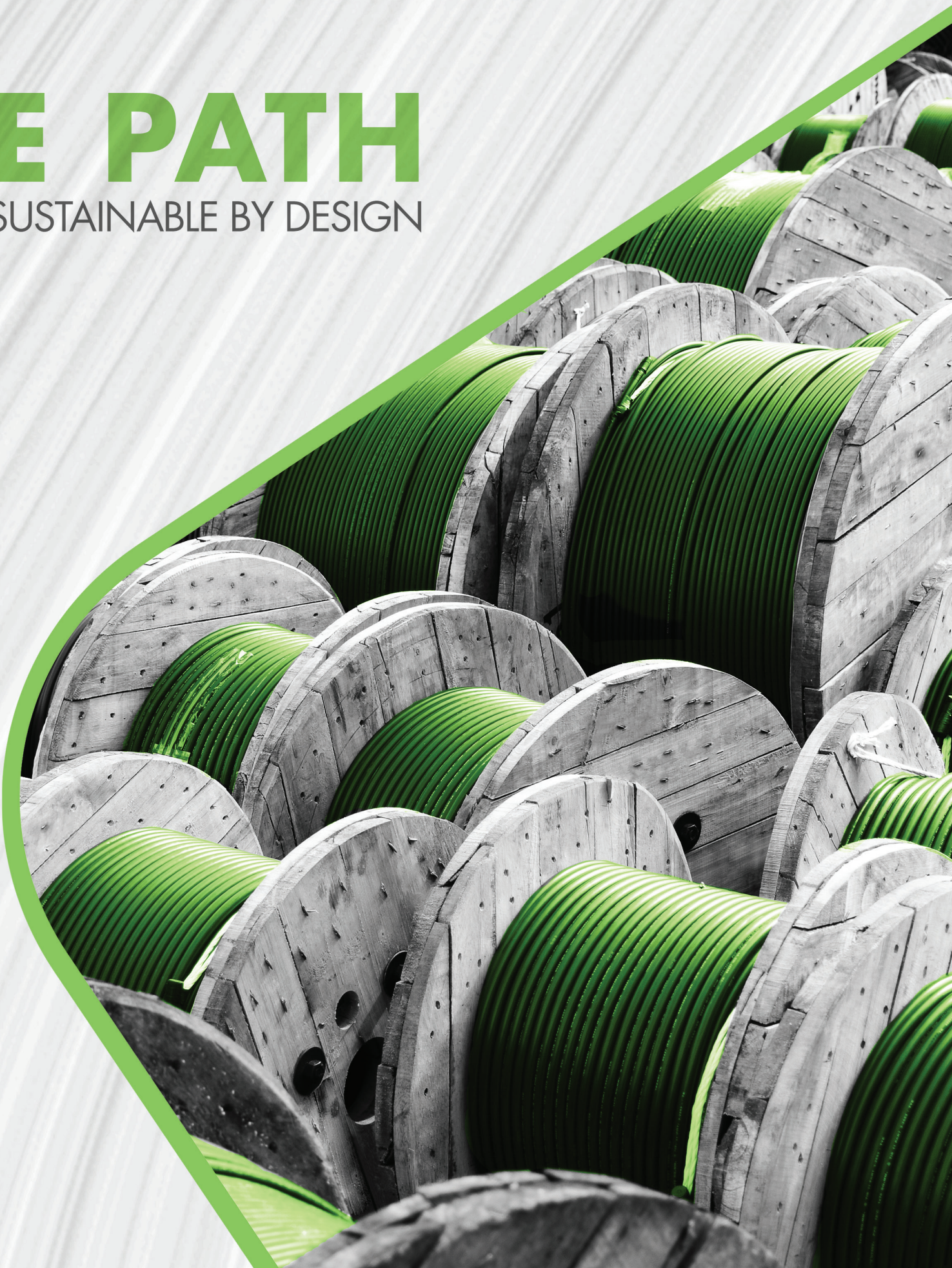
OmanCables
الكابلات العمانية

 prysmian

E Path

E PATH

SUSTAINABLE BY DESIGN





E PATH

SUSTAINABLE BY DESIGN

E Path represents our vanguard for low impact cable solutions to bring clean energy and enhance communication in our homes, infrastructures and cities around the world.





LOW IMPACT

With a business strategy consistent with the UN Sustainable Development Goals, we strive to have a lower impact. We express this through products that when installed in homes, infrastructures, and cities around the world, make these just as low impact.



A FIRST IN THE CABLE INDUSTRY

E Path uses measurable and known assessment criteria to summarize the contribution that cables can provide, in terms of climate change effect, paving the way for the cable industry to be included into low impact labelling systems.

ON THE SAME PAGE AS OUR CUSTOMERS

We aim to share the same eco language as our customers, bringing to their supply chains products that meet measurable and recognized criteria, in a perfect fit with a circular economy.



OUR TARGET

E Path is our pledge to provide transparent and clear indications and information, using recognized criteria, on the environmental impact of our cables based on our three key drivers: **SUSTAINABILITY, RELIABILITY & QUALITY.**

SIX MEASURABLE AND INTERNATIONALLY RECOGNIZED CRITERIA

To be E Path-labelled, each cable family has to pass a rating process based on the following criteria.



CARBON FOOTPRINT

Calculated according to “cradle to-gate” approach and combined with other parameters to achieve full “cradle-to-grave” carbon footprint.



SUBSTANCES OF VERY HIGH CONCERN

Products shall be free of substances that are carcinogenic, mutagenic, toxic for reproduction, or hazardous for the environment



RECYCLABILITY/ CIRCULARITY

Indicates that materials used in cables are potentially recyclable or the products themselves are potentially fully recyclable



RECYCLING INPUT RATE

Indicates giving new life to materials both purchased from external suppliers and reused by Oman Cables supporting circular economy



ENVIRONMENTAL BENEFITS

Applies to low-carbon enabling products, CPR compliant cables, and cables used for keep the same energy sources



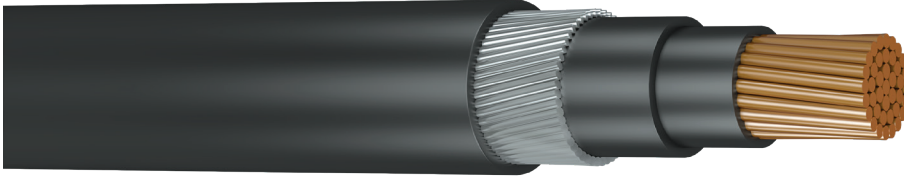
CABLE TRANSMISSION EFFICIENCY

The more efficient the cable, the more sustainable its performance.

SINGLE CORE

COPPER CONDUCTOR, XLPE INSULATION, PVC BEDDING, ALUMINIUM WIRE ARMoured & PVC SHEATH, LOW VOLTAGE POWER CABLE.

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/PVC BS 5467



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

For outdoor installations in power stations, industrial plants and switch gears if mechanical protection is required or in applications where mechanical damages are expected to occur.

CONSTRUCTION

1. Conductor

Annealed Plain Copper (Multi Stranded, Class-2)

2. Insulation

XLPE

3. Bedding

Extruded PVC

4. Armour

Aluminium Round Wire

5. Outer Sheath

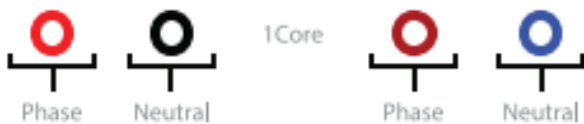
Extruded Overall PVC Outer Sheath

APPLICATION STANDARD

Low Voltage Cables are designed and tested to meet the requirements of below standard:

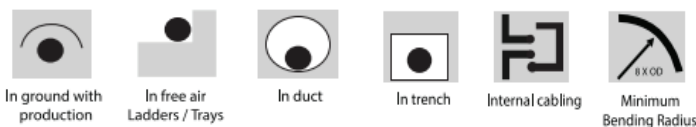
- BS 5467

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1



UV Resistant



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2
Emissions

REGULARITY COMMITMENT



CERTIFICATION



Sizes 50 mm² to
1000 mm²

MULTI CORE

COPPER CONDUCTOR, XLPE INSULATION, PVC BEDDING, GALVANIZED STEEL ROUND WIRE ARMoured & PVC SHEATH, LOW VOLTAGE POWER CABLE.

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/PVC BS 5467



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Additive can be added optionally.

APPLICATION

For outdoor installations in power stations, industrial plants and switchgears if mechanical protection is required or in applications where mechanical damages are expected to occur.

CONSTRUCTION

1. Conductor

Annealed Plain Copper (Multi Stranded ,Class 2)

2. Insulation

XLPE

3. Fillers & Binder Tape

Non-hygroscopic Fillers & binder tape (if required)

4. Bedding

Extruded PVC

5. Armour

Galvanised Steel Wire

6. Outer Sheath

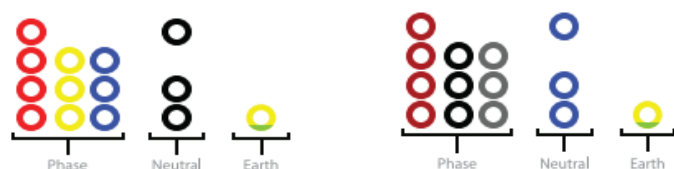
Extruded Overall PVC Outer Sheath.

APPLICATION STANDARD

Low Voltage Cables are designed and tested to meet the requirements of below standard:

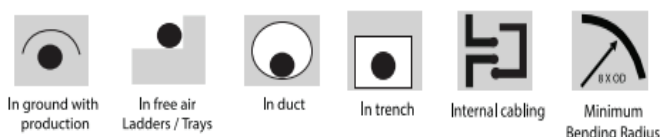
- BS 5467

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1



UV Resistant



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO₂
Emissions

REGULARITY COMMITMENT



CERTIFICATION

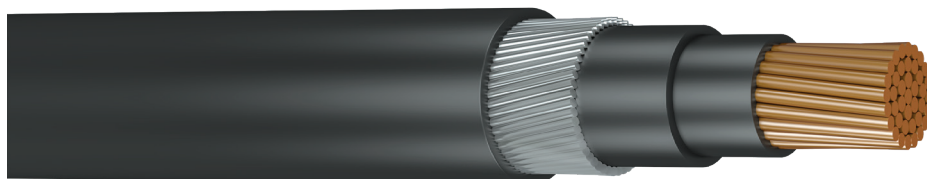


2/3/4 Cores Sizes
1.5 mm² to 400 mm²
5 Cores Sizes 1.5 mm² to 70 mm²

SINGLE CORE

COPPER CONDUCTOR, XLPE INSULATION, LSZH BEDDING, ALUMINIUM WIRE ARMoured & LSZH SHEATH, LOW VOLTAGE POWER CABLE.

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/LSZH BS 6724



The picture is only for illustration. Additive can be added optionally.

APPLICATION

Installed in areas where smoke and acid gas evolution could pose a hazard to personnel or sensitive equipment, but where circuit integrity is not needed. They are meant to be used in a situation where large numbers of people are gathered in confined spaces such as airports, hotels, malls, hospitals, and where mechanical protection is essential.

CONSTRUCTION

1. Conductor

Annealed Plain Copper (Multi Stranded, Class-2)

2. Insulation

XLPE

3. Bedding

Extruded LSZH

4. Armour

Aluminium Round Wire

5. Outer Sheath

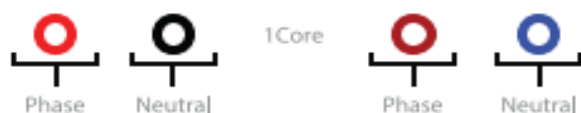
Extruded LSZH Outer Sheath.

APPLICATION STANDARD

Low Voltage Cables are designed and tested to meet the requirements of below standard:

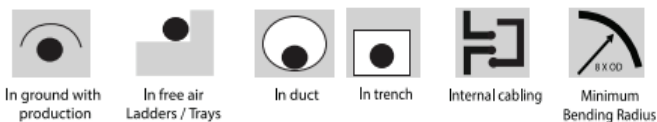
BS 6724

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1 & IEC
60332-2-24 (C)



Low Smoke
Emissions and
Halogen Free



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2
Emissions

REGULARITY COMMITMENT



CERTIFICATION



Sizes 50 mm²
to 1000 mm²

MULTI CORE

COPPER CONDUCTOR, XLPE INSULATION, LSZH BEDDING, GALVANIZED STEEL WIRE ARMoured & LSZH SHEATH, LOW VOLTAGE POWER CABLE.

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/LSZH BS 6724



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APPLICATION

Installed in areas where smoke and acid gas evolution could pose a hazard to personnel or sensitive equipment, but where circuit integrity is not needed. They are meant to be used in a situation where large numbers of people are gathered in confined spaces such as airports, hotels, malls, hospitals, and where mechanical protection is essential.

CONSTRUCTION

1. Conductor

Annealed Plain Copper (Multi Stranded ,Class 2)

2. Insulation

XLPE

3. Fillers & Binder Tape

Non-hygroscopic Fillers & binder tape (if required)

4. Bedding

Extruded LSZH

5. Armour

Galvanised Steel Wire

6. Outer Sheath

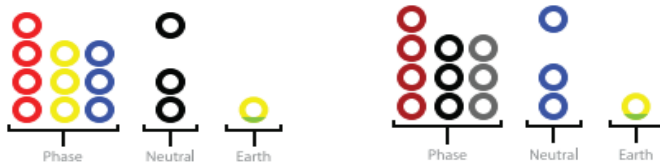
Extruded LSZH Outer Sheath.

APPLICATION STANDARD

Low Voltage Cables are designed and tested to meet the requirements of below standard:

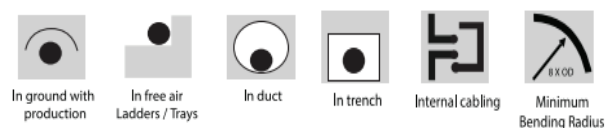
- BS 6724

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1 & IEC
60332-2-24 (C)



Low Smoke
Emissions and
Halogen Free



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO₂
Emissions

REGULARITY COMMITMENT



CERTIFICATION



2/3/4 Cores Sizes
1.5 mm² to 400 mm²
5 Cores Sizes 1.5 mm² to 70 mm²

MULTI CORE

COPPER CONDUCTOR, GLASS MICA TAPE, XLPE INSULATION, LSZH BEDDING, GALVANIZED STEEL WIRE ARMoured & LSZH SHEATH, LOW VOLTAGE FIRE RESISTANT CABLES.

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/LSZH BS 7846 F120/PH120



The picture is only for illustration. Additive can be added optionally.

APPLICATION

These Circuit Integrity cables are suitable for use in fixed installations, in applications where mechanical protection and maintenance of power supply during a fire is required for a defined period of time, such as for essential safety circuits and in areas where smoke and gas evolution could pose a hazard to personnel or sensitive equipment such as in high-rise buildings, schools, hospitals, hotels, shopping centres, subways, etc.

CONSTRUCTION

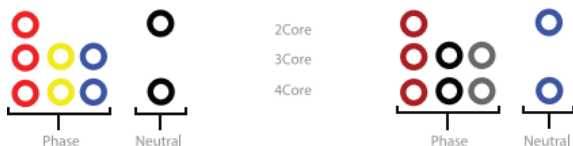
- 1. Conductor**
Annealed Plain Copper (Multi Stranded, Class-2)
- 2. Fire Barrier Tape**
Glass Mica Tape
- 3. Insulation**
XLPE
- 4. Bedding**
Extruded LSZH
- 5. Armour**
Galvanized Steel Wire Armour
- 6. Outer Sheath**
Extruded LSZH outer sheath.

APPLICATION STANDARD

Cables are designed and tested to meet the requirements of below standard:

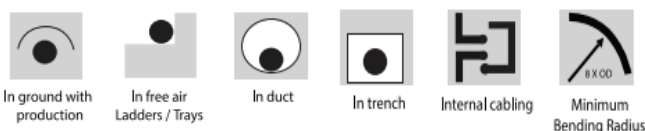
BS 7846 and BS EN 50200 (PH120)
BS 7846 as per F2 and F120

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1 & IEC
60332-2-24 (C)



Low Smoke
Emissions and
Halogen Free



Fire Resistance BS 6387 (C/W/Z)
BS EN 50200 PH120 (up to 20mm)
BS 8491 F120 (20mm and above)



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT



CERTIFICATION



2/3/4 Cores Sizes
1.5 mm² to 400 mm²

SINGLR CORE

COPPER CONDUCTOR, GLASS MICA TAPE, XLPE INSULATION, LSZH BEDDING, ALUMINIUM WIRE ARMoured & LSZH SHEATH, LOW VOLTAGE FIRE RESISTANT CABLES. (F2)

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/LSZH BS 7846 F2



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

These Circuit Integrity cables are suitable for use in fixed installations, in applications where maintenance of power supply during a fire is required for a defined period of time, such as for essential safety circuits and in areas where smoke and gas evolution could pose a hazard to personnel or sensitive equipment such as in high-rise buildings, schools, hospitals, hotels, shopping centres, subways, etc.

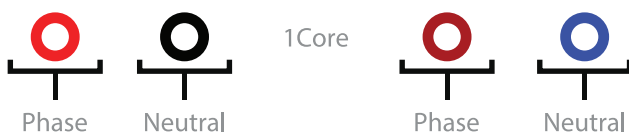
CONSTRUCTION

- 1. Conductor**
Annealed Plain Copper (Multi Stranded, Class-2)
- 2. Fire Barrier Tape**
Glass Mica Tape
- 3. Insulation**
XLPE
- 4. Bedding**
Extruded LSZH
- 5. Armour**
Aluminium Round Wire
- 6. Outer Sheath**
Extruded LSZH outer sheath.

APPLICATION STANDARD

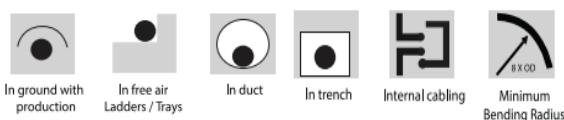
Cables are designed & tested to meet the requirements of below standard:
BS 7846 - F2 (in general)

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1 & IEC
60332-2-24 (C)



Low Smoke
Emissions and
Halogen Free



Fire Resistance BS 6387 (C/W/Z)



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT



MULTI CORE

COPPER CONDUCTOR, GLASS MICA TAPE, XLPE INSULATION, LSZH BEDDING, GALVANIZED STEEL WIRE ARMoured & LSZH SHEATH, LOW VOLT-AGE FIRE RESISTANT CABLES. (F2)

PRYSMIAN E PATH FAMILY: CU/XLPE/ARM/LSZH BS 7846 F2



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

These Circuit Integrity cables are suitable for use in fixed installations, in applications where mechanical protection and maintenance of power supply during a fire is required for a defined period of time, such as for essential safety circuits and in areas where smoke and gas evolution could pose a hazard to personnel or sensitive equipment such as in high-rise buildings, schools, hospitals, hotels, shopping centres, subways, etc.

CONSTRUCTION

- 1. Conductor**
Copper conductor
- 2. Fire Barrier Tape**
Fire barrier tape
- 3. Insulation**
XLPE
- 4. Bedding**
Extruded LSZH
- 5. Armour**
Galvanized Steel Wire Armour
- 6. Outer Sheath**
Extruded LSZH outer sheath.

APPLICATION STANDARD

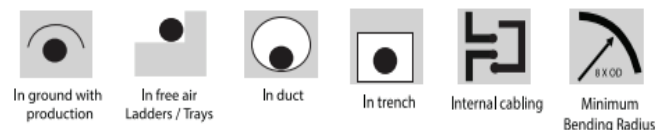
Cables are designed & tested to meet the requirements of be low standard:
BS 7846 - F2

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1 & IEC
60332-2-24 (C)



Low Smoke
Emissions and
Halogen Free



Fire Resistance BS 6387 (C/W/Z)



Max Operating
Temperature



Max Short Circuit
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT



CERTIFICATION



2/3/4 Cores Sizes 1.5 mm² to 400 mm²

STRANDED CONDUCTOR PVC INSULATED BUILDING WIRES (H07V-R) 450/750V

PRYSMIAN E PATH FAMILY: CU/PVC BS EN 50525-2-31



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

Suitable for power, lighting circuits and building wiring. These wires are intended for use in the indoor application, distribution in conduits as well as in closed installation ducts, and for the internal wiring of appliances and apparatus.

CONSTRUCTION

Stranded annealed plain copper conductor, extruded PVC insulation of PVC Type TI 1 (EN50363-3) (for 70°C application), 450/750 V Wires to BS EN 50525-2-31

1. Conductor

Annealed plain copper (multi stranded, class-2)

2. Insulation

Extruded PVC Type TI 1

APPLICATION STANDARD

BS EN 50525-2-31

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



Conduit/
Ducts



Fixed or Clipped
Direct on Wall



On Perforated
Tray



Minimum
Bending Radius

PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1



Max Short Circuit
Temperature



Max Operating
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT



CERTIFICATION



Sizes 1.5 mm²
to 1000 mm²

SOLID CONDUCTOR PVC INSULATED BUILDING WIRES (H07V-U) 450/750V

PRYSMIAN E PATH FAMILY: CU/PVC BS EN 50525-2-31



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

Suitable for power, lighting circuits and building wiring. These wires are intended for use in the indoor application, distribution in conduits as well as in closed installation ducts, and for the internal wiring of appliances and apparatus.

CONSTRUCTION

Single strand solid annealed plain copper conductor, extruded PVC insulation of PVC Type TI 1 (EN 50363-3) (for 70°C application), 450/750 V Wires to BS EN 50525-2-31

1. Conductor

Annealed plain copper (single strand solid, class-1)

2. Insulation

Extruded PVC Type TI 1

APPLICATION STANDARD

BS EN 50525-2-31

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



Conduit/
Ducts



Fixed or Clipped
Direct on Wall



On Perforated
Tray



Minimum
Bending Radius

PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1



Max Short Circuit
Temperature



Max Operating
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT



CERTIFICATION



Sizes 1.5 mm²
to 1000 mm²

FLEXIBLE CONDUCTOR PVC INSULATED BUILDING WIRES (H07V-K) 450/750V

PRYSMIAN E PATH FAMILY: CU/PVC BS EN 50525-2-31



The picture is only for illustration.
Additive can be added optionally.

APPLICATION

For use in applications where greater flexibility is required to assist installation. Suitable for power, lighting circuits and building wiring. These wires are intended for use in the indoor application, distribution in conduits as well as in closed installation ducts, and for the internal wiring of appliances and apparatus.

CONSTRUCTION

Multi stranded flexible annealed plain copper conductor, extruded PVC insulation of PVC Type TI 1 (for 70° C application), 450/750 V Wires to BS EN 50525-2-31

1. Conductor

Annealed plain copper (multi stranded flexible, class- 5)

2. Insulation

Extruded PVC Type TI 1

APPLICATION STANDARD

BS EN 50525-2-31

CORE COLOUR IDENTIFICATION



Note: Oman Cables has the capability to provide colour identification as per project requirements.

CABLE INSTALLATION



Conduit/
Ducts



Fixed or Clipped
Direct on Wall



On Perforated
Tray



Minimum
Bending Radius

PRODUCT CHARACTERISTICS



Flame Propagation
IEC 60332-1



Max Short Circuit
Temperature



Max Operating
Temperature

SUSTAINABILITY COMMITMENT



Recyclable



Reduced CO2 Emissions

REGULARITY COMMITMENT





Part of



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