

## TELECOM CABLE-CONTROL CABLE

### Cable Description:

#### Conductor:

1.0mm<sup>2</sup> (14/0.30mm); 1.5mm<sup>2</sup> (19/0.30mm) and 2.5mm<sup>2</sup> (7/0.67mm) plain annealed copper wire in accordance with SANS 1411, Part 1 class 2

#### Insulation:

Cross linked polyethylene (XLPE) compound in accordance with SANS 1411, Part 4

#### Core Identification:

White insulated cores; numbered alpha and numerically, at regular intervals

#### Individual and / or overall screen:

Overall screen: Aluminium/polyester tape with a 7/0.30mm 0.50mm<sup>2</sup> sized tinned annealed copper drain wire

#### Bedding sheath:

N/a

#### Final sheath and / or armouring:

Polyvinyl chloride (PVC) compound in accordance with SANS 1411, Part 2, type S5. The standard outer sheath colour is black

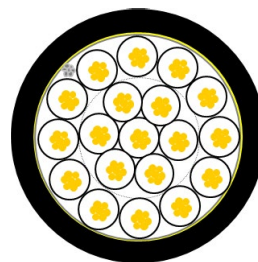
**Multi-cores; 1.0, 1.5, 2.5mm<sup>2</sup> conductor sizes, XLPE Insulation, overall screened, Polyethylene outer sheath**

### General Data:

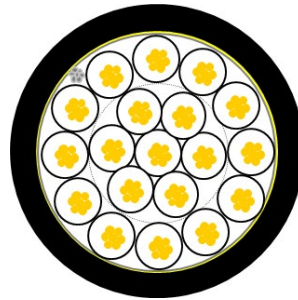
#### Typical Applications:

**Used For** Transmission of analogue and digital signals in instrumentation and control systems, not allowed for direct connection to low impedance sources, e.g, public mains electricity supply

**Recommended For** Indoor and outdoor installations on racks, trays, or conduits, in dry or wet locations; not for direct burial



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### Product Information:

Electrical Characteristics		1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Conductor resistance at 20 °C	(max Ω/km)	19.5	13.3	7.41
Insulation resistance at 20 °C	(min GΩ/km)	5	5	5
Test Voltage (kV DC)	Core to core	1.5	1.5	1.5
	Core to screen	1.5	1.5	1.5
Operating Voltage	(max V)	600	600	600
<b>Physical Characteristics</b>				
Operating Temperature (max)	(°C)	90	90	90
Fire Retardancy		Comply to IEC 60332 Part 1		
Bending Radius (min)	(mm)	9 x overall cable diameter		

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Product Description	Overall	Cable	Standard
	Diameter	Weight	Drum
	(mm)	(kg / 1000m)	(Length / m)
2 Core 1.0mm <sup>2</sup> XLPE OAM PVC	7.7	65	1000
3 Core 1.0mm <sup>2</sup> XLPE OAM PVC	8.1	80	1000
4 Core 1.0mm <sup>2</sup> XLPE OAM PVC	8.8	97	1000
7 Core 1.0mm <sup>2</sup> XLPE OAM PVC	10.8	155	1000
12 Core 1.0mm <sup>2</sup> XLPE OAM PVC	13.9	238	1000
19 Core 1.0mm <sup>2</sup> XLPE OAM PVC	16.6	363	1000
24 Core 1.0mm <sup>2</sup> XLPE OAM PVC	18.7	438	1000
27 Core 1.0mm <sup>2</sup> XLPE OAM PVC	20.5	506	1000
37 Core 1.0mm <sup>2</sup> XLPE OAM PVC	22.5	656	1000
50 Core 1.0mm <sup>2</sup> XLPE OAM PVC	26.3	891	1000
2 Core 1.5mm <sup>2</sup> XLPE OAM PVC	8.1	74	1000
3 Core 1.5mm <sup>2</sup> XLPE OAM PVC	8.5	93	1000
4 Core 1.5mm <sup>2</sup> XLPE OAM PVC	9.2	113	1000
7 Core 1.5mm <sup>2</sup> XLPE OAM PVC	11.3	182	1000
12 Core 1.5mm <sup>2</sup> XLPE OAM PVC	15.1	300	1000
19 Core 1.5mm <sup>2</sup> XLPE OAM PVC	18.0	472	1000
24 Core 1.5mm <sup>2</sup> XLPE OAM PVC	19.7	535	1000
27 Core 1.5mm <sup>2</sup> XLPE OAM PVC	21.3	619	1000
37 Core 1.5mm <sup>2</sup> XLPE OAM PVC	23.7	895	1000
50 Core 1.5mm <sup>2</sup> XLPE OAM PVC	27.1	1075	1000
2 Core 2.5mm <sup>2</sup> XLPE OAM PVC	9.6	133	1000
4 Core 2.5mm <sup>2</sup> XLPE OAM PVC	11.3	197	1000
12 Core 2.5mm <sup>2</sup> XLPE OAM PVC	17.2	451	1000
19 Core 2.5mm <sup>2</sup> XLPE OAM PVC	20.5	694	1000
37 Core 2.5mm <sup>2</sup> XLPE OAM PVC	27.7	1276	1000

## Complete your Project:

Please select the items you require and we will be in touch

### Cables and Wires:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Lighting:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Transformers (Distribution):

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Accessories:

Indoor  
Outdoor  
General  
Other  
Let an ACTOM  
Specialist Contact you

### Specific Information:

Address: 4 Branch Road, Germiston 1401, P.O. Box 678, Germiston 1400

## For more Information on this Product Please Send us the Following

### Product Information:

Product Name:

Quantity:

Project Name:

Date the Product is required:

### Your Contact Information:

Name and Surname:

Company:

Email:

Phone Number:

Province:

## Thank You

### For having a Look at this Product

Please send this PDF back to us with all your Information

Scan the QR Code to visit our Website:

