

TELECOM CABLE-INSTRUMENTATION CABLE

Cable Description:

Conductor:

0.5mm² (7/0.30mm); 1.0mm² (14/0.30mm) and 1.5mm² (19/0.30mm) 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:

Black and 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 0.50mm² 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

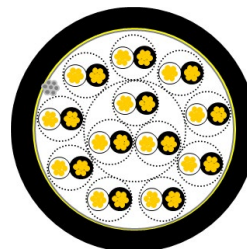
Single & Multi-pairs; 0.5, 1.0, 1.5mm² conductor sizes, XLPE Insulation, overall screened, PVC outer sheath

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



Technical Information and Photographs from CBI electric

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Product Information:

Electrical Characteristics		0.5mm ²	1.0mm ²	1.5mm ²
Conductor resistance at 20 °C	(max Ω/km)	39.6	19.5	14.4
Insulation resistance at 20 °C	(min GΩ/km)	5	5	5
Core to core capacitance at 20 °C	< 4 pair cable (nom nF/km)	95	115	130
	> 4 pair cable (nom nF/km)	60	75	80
Core to screen capacitance at 20 °C	< 4 pair cable (nom nF/km)	190	230	260
	> 4 pair cable (nom nF/km)	120	150	160
Inductance	(nom mH/km)	0.72	0.64	0.63
Test Voltage (kV DC)	Core to core	1.5	1.5	1.5
	Core to screen	1.0	1.0	1.0
Operating Voltage	(max V)	300	300	300
Physical Characteristics				
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 Diameter	Cable Weight	Standard Drum
	(mm)	(kg / 1000m)	(Length / m)
1 Pair 0.5mm ² XLPE OAM PVC APL/PE	5.2	42	1000
2 Pair 0.5mm ² XLPE OAM PVC APL/PE	7.3	60	1000
4 Pair 0.5mm ² XLPE OAM PVC APL/PE	9.2	95	1000
8 Pair 0.5mm ² XLPE OAM PVC APL/PE	12.0	164	1000
12 Pair 0.5mm ² XLPE OAM PVC APL/PE	15.0	242	1000
16 Pair 0.5mm ² XLPE OAM PVC APL/PE	16.3	296	1000
24 Pair 0.5mm ² XLPE OAM PVC APL/PE	19.6	420	1000
1 Pair 1.0mm ² XLPE OAM PVC APL/PE	6.5	54	1000
2 Pair 1.0mm ² XLPE OAM PVC APL/PE	8.5	86	1000
4 Pair 1.0mm ² XLPE OAM PVC APL/PE	11.3	161	1000
8 Pair 1.0mm ² XLPE OAM PVC APL/PE	14.3	268	1000
12 Pair 1.0mm ² XLPE OAM PVC APL/PE	18.0	382	1000
16 Pair 1.0mm ² XLPE OAM PVC APL/PE	20.0	484	1000
24 Pair 1.0mm ² XLPE OAM PVC APL/PE	24.1	711	1000
1 Pair 1.5mm ² XLPE OAM PVC APL/PE	7.0	64	1000
2 Pair 1.5mm ² XLPE OAM PVC APL/PE	9.3	105	1000
4 Pair 1.5mm ² XLPE OAM PVC APL/PE	12.4	188	1000
8 Pair 1.5mm ² XLPE OAM PVC APL/PE	16.1	339	1000
12 Pair 1.5mm ² XLPE OAM PVC APL/PE	19.8	483	1000
16 Pair 1.5mm ² XLPE OAM PVC APL/PE	22.4	637	1000
24 Pair 1.5mm ² XLPE OAM PVC APL/PE	27.1	930	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:

