

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:

Individual screen: Aluminium/polyester tape with a 7/0.30mm 0.50mm² sized tinned annealed copper drain wire. All individual screens are numbered alpha and numerically, at regular intervals

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

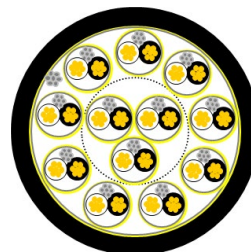
Multi-pair; 0.5, 1.0, 1.5mm² conductor sizes, XLPE Insulation, individually and overall screened, PVC outer sheath

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

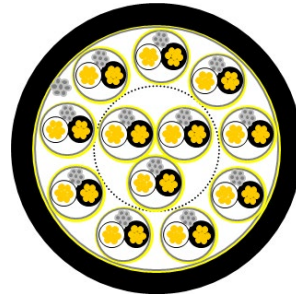
Address: 4 Branch Road, Germiston 1401, P.O. Box 678, Germiston 1400

Email: aep.enquiries@actom.co.za

Tel: +27 11 878 3050

Website: www.actomep.co.za

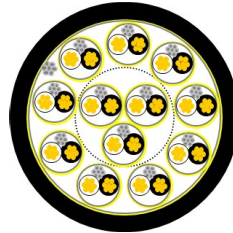
TELECOM CABLE-INSTRUMENTATION CABLE



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	(nom nF/km)	95	115	130
Core to screen capacitance at 20 °C	(nom nF/km)	190	230	260
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
	Screen to screen	0.5	0.5	0.5
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		

TELECOM CABLE-INSTRUMENTATION CABLE



Product Description	Overall Diameter (mm)	Cable Weight (kg / 1000m)	Standard Drum (Length / m)
2 Pair 0.5mm ² XLPE I/OAM PVC	9.5	85	1000
4 Pair 0.5mm ² XLPE I/OAM PVC	11.4	138	1000
8 Pair 0.5mm ² XLPE I/OAM PVC	13.9	213	1000
12 Pair 0.5mm ² XLPE I/OAM PVC	17.4	302	1000
16 Pair 0.5mm ² XLPE I/OAM PVC	19.8	402	1000
24 Pair 0.5mm ² XLPE I/OAM PVC	23.6	568	1000
2 Pair 1.0mm ² XLPE I/OAM PVC	11.6	139	1000
4 Pair 1.0mm ² XLPE I/OAM PVC	13.1	179	1000
8 Pair 1.0mm ² XLPE I/OAM PVC	17.4	345	1000
12 Pair 1.0mm ² XLPE I/OAM PVC	21.3	469	1000
16 Pair 1.0mm ² XLPE I/OAM PVC	24.5	635	1000
24 Pair 1.0mm ² XLPE I/OAM PVC	28.8	882	1000
2 Pair 1.5mm ² XLPE I/OAM PVC	12.7	158	1000
4 Pair 1.5mm ² XLPE I/OAM PVC	14.7	228	1000
8 Pair 1.5mm ² XLPE I/OAM PVC	19.1	418	1000
12 Pair 1.5mm ² XLPE I/OAM PVC	24.2	609	1000
16 Pair 1.5mm ² XLPE I/OAM PVC	27	772	1000
24 Pair 1.5mm ² XLPE I/OAM PVC	32.6	1130	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:

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:

