

TELECOM CABLE-CONTROL CABLE APL ARMOUR

Cable Description:

Conductor:

1.0mm² (14/0.30mm); 1.5mm² (19/0.30mm) and 2.5mm² (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 0.50mm² sized tinned annealed copper drain wire

Bedding sheath:

Polyvinyl chloride (PVC) compound in accordance with SANS 1411, Part 2 type B1. The standard bedding sheath colour is black

Final sheath and / or armouring:

Aluminium polyethylene laminated (APL) tape over a 7/0.30mm 0.50mm² sized tinned annealed copper drain wire.

Polyethylene (PE) compound in accordance with SANS 1411, Part 7, type P54. The standard outer sheath colour is black

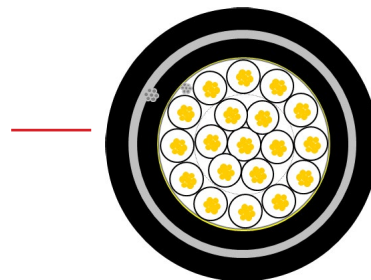
Multi-cores; 1.0, 1.5, 2.5mm² conductor sizes, XLPE Insulation, overall screened, PVC bedding, APL armour, Polyethylene outer sheath

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

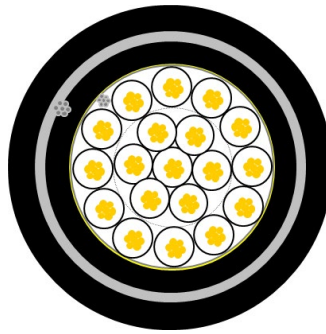
Recommended For Indoor and outdoor installations on racks, trays, or conduits, in dry or wet locations; not for direct burial



Technical Information and Photographs from CBI electric

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

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Product Information:

Electrical Characteristics		1.0mm ²	1.5mm ²	2.5mm ²
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
Physical Characteristics				
Operating Temperature (max)	(°C)	90	90	90
Fire Retardancy		n/a	n/a	n/a
Bending Radius (min)	(mm)	9 x overall cable diameter		

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Product Description	Bedding	Overall	Cable	Standard
	Diameter	Diameter	Weight	Drum
	under APL (mm)	(mm)	(kg / 1000m)	(Length / m)
2 Core 1.0mm ² XLPE OAM PVC APL/PE	7.7	11.2	115	1000
3 Core 1.0mm ² XLPE OAM PVC APL/PE	8.1	12.0	146	1000
4 Core 1.0mm ² XLPE OAM PVC APL/PE	8.8	12.5	168	1000
7 Core 1.0mm ² XLPE OAM PVC APL/PE	10.8	14.5	239	1000
12 Core 1.0mm ² XLPE OAM PVC APL/PE	13.9	18.0	353	1000
19 Core 1.0mm ² XLPE OAM PVC APL/PE	16.6	20.7	503	1000
24 Core 1.0mm ² XLPE OAM PVC APL/PE	18.7	22.8	594	1000
27 Core 1.0mm ² XLPE OAM PVC APL/PE	20.5	24.9	683	1000
37 Core 1.0mm ² XLPE OAM PVC APL/PE	22.5	27.0	865	1000
50 Core 1.0mm ² XLPE OAM PVC APL/PE	26.3	32.1	1151	1000
2 Core 1.5mm ² XLPE OAM PVC APL/PE	8.1	12.0	140	1000
3 Core 1.5mm ² XLPE OAM PVC APL/PE	8.5	12.2	162	1000
4 Core 1.5mm ² XLPE OAM PVC APL/PE	9.2	12.9	186	1000
7 Core 1.5mm ² XLPE OAM PVC APL/PE	11.3	15.4	283	1000
12 Core 1.5mm ² XLPE OAM PVC APL/PE	15.1	19.2	429	1000
19 Core 1.5mm ² XLPE OAM PVC APL/PE	18.0	21.6	651	1000
24 Core 1.5mm ² XLPE OAM PVC APL/PE	19.7	23.6	716	1000
27 Core 1.5mm ² XLPE OAM PVC APL/PE	21.3	25.8	822	1000
37 Core 1.5mm ² XLPE OAM PVC APL/PE	23.7	28.2	1126	1000
50 Core 1.5mm ² XLPE OAM PVC APL/PE	27.1	33.3	1350	1000
2 Core 2.5mm ² XLPE OAM PVC APL/PE	9.6	13.3	211	1000
4 Core 2.5mm ² XLPE OAM PVC APL/PE	11.3	15.3	215	1000
12 Core 2.5mm ² XLPE OAM PVC APL/PE	17.2	21.3	602	1000
19 Core 2.5mm ² XLPE OAM PVC APL/PE	20.5	25.0	893	1000
37 Core 2.5mm ² XLPE OAM PVC APL/PE	27.2	32.8	1535	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:

