Instrolex® Instrumentation Pairs

INST CS 1.5 X 1 PR

Contact

OLEX CUSTOMER SERVICE - Purchase orders, invoices, general enquiries

Phone: 1300 CABLES

olex.customerservice@nexans.com

Nexans ref.: IEB184AA001CXAA

GTIN: 9319215074480

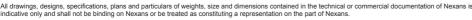
Overall, or Individual & overall screened with aluminium polyester tape plus tinned annealed copper drain wire

DESCRIPTION

- Plain annealed copper conductor
- V-90 RPPVC insulated
- Twisted pairs
- Overall, or Individual & overall screened with aluminium polyester tape plus tinned annealed copper drain wire
- Rip cord
- 5V-90 RPPVC sheathed.









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CHARACTERISTICS

Construction characteristics	
Outer sheath	PVC
Insulation	PVC
Overall screen	Annealed tinned copper drain wire + aluminium/ polyester tape
Conductor material	Annealed copper
Screen	Overall screen
Dimensional characteristics	
Nominal diameter of wires	0.5 mm
Number of pairs	1
Conductor cross-section	1.5 mm ²
Approximate weight	6.0 kg/100m
Nominal outer diameter	6.6 mm
Number of wires per conductor	7

INSTROLEX ELECTRICAL CHARACTERISTICS

Conductor Size mm ²	Conductor Resistance at 20°C each wire Ohm/100m	Nominal Voltage Rating a.c./d.c.	Maximum Current Rating Amperes	Mutual Capacitance Cond to Cond Unscreened nF/100m	Mutual Capacitance Cond to Cond Screened nF/100m	Capacitance Both Wires Cond to Screen Screened nF/100m	L/R Ratio @ 1000Hz µH/Ohm
0.5	3.84	110/150	3	8.5	14.5	24	15.7
1.5	1.36	110/150	13	11.0	20	30	36.5

Conductor Size mm²	Induction at 1000Hz µH/100m	Characteristic impedance @ 1000Hz unscreened Ohm	Characteristic impedance @ 1000Hz screened Ohm	Crosstalk attenuation between pairs @ 1000Hz unscreened db/100m	Crosstalk attenuation between pairs @ 1000Hz screened db/100m	Attenuation @ 1000Hz between 600 Ohm terminations unscreened db/100m	Attenuation @ 1000Hz between 600 Ohm terminations screened db/100m
0.5	110	450	350	100	120	0.09	0.11
1.5	95	350	260	-	-	0.07	0.09

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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