

Instrolex[®] Instrumentation Cable



Wire & Cable Specification

Construction	
Conductor	Stranded plain annealed copper
Insulation	V-90RP PVC
Shield	Aluminium polyester tape
Drain Wire	Tinned copper
Armour	Steel wire armour (optional)
Sheath	V-90RP PVC

Characteristics

Conductor Size mm ²	AWG	Conductor Stranding (no/mm)	Nominal Conductor Diameter (mm)	Nominal Voltage Rating (a.c./d.c.)
0.5	20	7/0.30	0.9	110/150
1.5	16	7/0.50	1.5	110/150

Application

The low conductor resistance, inductance and capacitance of Instrolex[®] make it ideal for direct current and alternating current frequencies up to 10kHz, distances of up to 10 kilometres and low-medium speed digital transmission.

Item Codes

Codes available on next page.

Colour Code

Pairs: Black and white. Each pair is numbered.
Triples: Black, white and red. Each triple is numbered.

^ Available as intrinsically safe blue sheathed

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Item Codes & Code Comparison Chart

Material No.	Old Code	No. Pairs	Nom Dia mm	Gland Size A2 or A2F	Approx Mass kg/m	General Cables Code	Maser/Belden Code
OVERALL SCREEN (CS)							
Conductor Size 0.5mm²							
IEB183AA001CXAA	2946	1	5.2	20/16	0.04	B5001 CS	B1033B
IEC183AA002CXAA	7908	2	7.8	20S	0.06	B5002 CS	B3016B
IEC183AA004CXAA	1673	4	8.4	20S	0.09	B5004 CS	B1056B
IEC183AA006CXAA	4881	6	10.0	20S	0.13	B5006 CS	B5006B
IEC183AA008CXAA	9131	8	11.2	20	0.17	B5008 CS	B1057B
IEC183AA010CXAA	4512	10	12.5	20	0.21	B5010 CS	N/A
IEC183AA012CXAA	8982	12	13.4	25	0.24	B5012 CS	B1058B
IEC183AA016CXAA	3592	16	15.1	25	0.31	B5016 CS	B1059B
IEC183AA020CXAA	5034	20	16.8	25	0.38	B5020 CS	N/A
IEC183AA024CXAA	4013	24	18.1	25	0.45	B5024 CS	B1060B
IEC183AA036CXAA	9183	36	22.0	32	0.66	B5036 CS	B1061B
Conductor Size 1.5mm²							
IEB184AA001CXAA	1995	1	6.6	20/16	0.06	B5102 ES	B1030B
IEC184AA002CXAA	9212	2	9.9	20	0.11	B5502 CS	B3043B
IEC184AA004CXAA	5210	4	10.9	20	0.18	B5504 CS	B1484B
IEC184AA006CXAA	1788	6	13.0	20	0.26	B5506 CS	N/A
IEC184AA008CXAA	7726	8	14.6	25	0.33	B5508 CS	B1485B
IEC184AA010CXAA	4230	10	16.3	25	0.41	B5510 CS	N/A
IEC184AA012CXAA	1734	12	17.5	25	0.48	B5512 CS	B1486B
IEC184AA016CXAA	5597	16	20.0	32	0.63	B5516 CS	B1073B
IEC184AA036CXAA	3850	36	29.2	40	1.37	B5536 CS	B1089B
IGB184AA001CXAA	7130	1 (Triple)	6.9	20/16	0.08	B5103 ES	B1031B
OVERALL SCREEN, STEEL WIRE ARMOUR (CS SWA)							
Conductor Size 0.5mm²							
IEG183AA002CXAA	8731	2	11.4	20/16	0.25	B5002 CS SWA	B3016B SWA
IEG183AA004CXAA	1655	4	12.0	20/16	0.28	B5004 CS SWA	B1056B SWA
IEG183AA006CXAA	9291	6	13.6	20S	0.36	B5006 CS SWA	B5006B SWA
IEG183AA008CXAA	5519	8	14.8	20S	0.42	B5008 CS SWA	B1057B SWA
IEG183AA010CXAA	6704	10	16.1	20	0.48	B5010 CS SWA	N/A
IEG183AA012CXAA	4463	12	17.0	20	0.54	B5012 CS SWA	B1058B SWA
IEG183AA016CXAA	5512	16	18.9	25	0.65	B5016 CS SWA	B1059B SWA
IEG183AA020CXAA	3394	20	21.1	32	0.86	B5020 CS SWA	N/A
IEG183AA024CXAA	1497	24	22.7	32	0.97	B5024 CS SWA	B1060B SWA
IEG183AA036CXAA	5682	36	26.3	40	1.27	B5036 CS SWA	B1061B SWA
Conductor Size 1.5mm²							
IEF184AA001CXAA	3610	1	10.2	20/16	0.22	B5102 ES SWA	B1030B SWA
IEG184AA002CXAA	7991	2	13.6	20S	0.34	B5502 CS SWA	B3043B SWA
IEG184AA006CXAA	2976	6	16.6	20	0.55	B5506 CS SWA	N/A
IGF184AA001CXAA	5213	1 (Triple)	10.6	20/16	0.24	B5103 ES SWA	B1031B SWA
INDIVIDUAL AND OVERALL SCREEN (ESCS)							
Conductor Size 0.5mm²							
IED183AA002CXAA	7380	2	8.1	20S	0.07	B5002 ESCS	B1075B
IED183AA004CXAA	2522	4	10.4	20	0.12	B5004 ESCS	B1076B
IED183AA006CXAA	9883	6	12.2	20	0.17	B5006 ESCS	N/A
IED183AA008CXAA	8877	8	13.9	25	0.22	B5008 ESCS	B1077B
IED183AA010CXAA	3095	10	14.6	25	0.26	B5010 ESCS	N/A
IED183AA012CXAA	5222	12	16.0	25	0.31	B5012 ESCS	B1078B
IED183AA016CXAA	3482	16	18.0	25	0.39	B5016 ESCS	B1079B
IED183AA024CXAA	3445	24	21.9	32	0.57	B5024 ESCS	B1080B
IED183AA036CXAA	8759	36	26.3	40	0.83	B5036 ESCS	B1081B
Conductor Size 1.5mm²							
IED184AA002CXAA	3643	2	10.3	20	0.13	B5502 ESCS	B1492B
IED184AA004CXAA	7478	4	13.4	25	0.22	B5504 ESCS	B1493B
IED184AA012CXAA	1309	12	20.9	32	0.57	B5512 ESCS	B1495B
IED184AA016CXAA	7905	16	23.9	32	0.75	B5516 ESCS	B3051B
INDIVIDUAL AND OVERALL SCREEN, STEEL WIRE ARMOUR (ESCS SWA)							
Conductor Size 0.5mm²							
IEH183AA002CXAA	3144	2	11.7	20/16	0.26	B5002 ESCS SWA	B1075B SWA
IEH183AA004CXAA	2185	4	14.0	20S	0.35	B5004 ESCS SWA	B1076B SWA
IEH183AA006CXAA	1292	6	16.0	20	0.45	B5006 ESCS SWA	N/A
IEH183AA008CXAA	2791	8	17.5	20	0.52	B5008 ESCS SWA	B1077B SWA
IEH183AA010CXAA	7560	10	18.2	25	0.58	B5010 ESCS SWA	N/A
IEH183AA012CXAA	3572	12	19.6	25	0.66	B5012 ESCS SWA	B1078B SWA
IEH183AA024CXAA	3040	24	26.2	32	1.18	B5024 ESCS SWA	B1080B SWA
IEH183AA036CXAA	1961	36	30.6	40	1.55	B5036 ESCS SWA	B1081B SWA
IGH183AA012CXAA	9632	12 Triple	21.3	32	0.88	N/A	N/A
Conductor Size 1.5mm²							
IEH184AA008CXAA	8574	8	22.7	32	0.92	B5508 ESCS SWA	B1041B SWA

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