



K. LACEY WIRES AND CABLES

PVC MULTICORE CABLE

MANUFACTURED TO DEF 61-12 Pt 4

These sub-miniature cables are suitable for the internal wiring of electronic equipment, instrumentation purposes, process control systems, data processing and computers. These cables are not suitable to be used as power cables.

They are resistant to fuels and mineral based fluids and lubricants but not to ester-based fluids and lubricants.

These cables consist of Tinned Copper Conductors, insulated with PVC. Braided types are screened with tinned copper wires and an overall PVC sheath.

VOLTAGE RATING

Maximum Working Voltage for 7/0.1 up to 250V (r.m.s.) at frequencies up to 1.6kHz.
 Maximum Working Voltage for 7/0.2 up to 440V (r.m.s.) at frequencies up to 1.6kHz.

TEMPERATURE RANGE

Recommended maximum (conductor) operating temperature 70°C (can be operated slightly higher for short periods).

COLOUR RANGE

Standard sheath colour – Black

Grey and White may be available to special order (Only Black Sheath meets Nato Stock Number)

Core Colour Designation :					
Core No.	Colour Code	Core No.	Colour Code	Core No.	Colour Code
1	Red	13	Red/Blue	25	Yellow/Green
2	Blue	14	Green/Red	26	White/Green
3	Green	15	Yellow/Red	27	Green/Black
4	Yellow	16	White/Red	28	Orange/Green
5	White	17	Red/Black	29	Grey/Green
6	Black	18	Red/Brown	30	Yellow/Brown
7	Brown	19	Yellow/Blue	31	White/Brown
8	Violet	20	White/Blue	32	Brown/Black
9	Orange	21	Blue/Black	33	Grey/Brown
10	Pink	22	Orange/Blue	34	Yellow/Violet
11	Turquoise	23	Green/Blue	35	Violet/Black
12	Grey	24	Grey/Blue	36	White/Violet

CONTACT US NOW FOR A QUOTATION

Tel. +44 (0) 1903 771336 Fax. +44 (0) 1903 255411 Email. sales@klaceyables.co.uk

INFORMATION GIVEN IS BASED ON GENERAL EXPERIENCE ONLY AND IS GIVEN IN GOOD FAITH. NO WARRANTY IS GIVEN WITH RESPECT TO THE INFORMATION AND USERS MUST DETERMINE THE SUITABILITY OF THE PRODUCT PRIOR TO ANY PARTICULAR USE.

AS9120 Rev A and ISO9001:2008 APPROVED BSI. RS000146 BAE APPROVED



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PVC MULTICORE CABLE Pt.4

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Conductor Details/ Cable Type

7/0.2mm (0.22mm²)
Nominal Conductor Dia. 0.6mm
Maximum Conductor Resistance of Completed Cable 92 ohms/km @ 20°C
Maximum current 1AMP

Unscreened (7-2-*A)

Collectively Screened (7-2-*C)

Individually Screened (7-2-*D)

TYPE	No. Of Cores	Nom. Radial Thickness of Sheath mm	Min. O/Dia. mm	Max. O/Dia. mm	Approx Weight kg / km	Nato Stock No.
Unscreened						
7-2-2A	2	0.45	3.10	3.60	13.00	6145-99-110-8621
7-2-3A	3	0.45	3.30	3.80	16.00	6145-99-110-8624
7-2-4A	4	0.45	3.60	4.10	20.00	6145-99-110-8627
7-2-6A	6	0.45	4.30	4.80	30.00	6145-99-110-8630
7-2-12A	12	0.55	5.80	6.40	53.00	6145-99-110-8633
7-2-18A	18	0.65	7.10	7.70	80.00	6145-99-110-8636
7-2-25A	25	0.65	8.40	9.00	100.00	6145-99-110-8639
7-2-36A	36	0.65	9.50	10.10	140.00	6145-99-110-8642
7-2-50A	50	0.75	11.20	12.00	200.00	6145-99-110-8645
Collectively Screened						
7-2-2C	2	0.45	3.60	4.10	23.00	6145-99-110-8622
7-2-3C	3	0.45	3.80	4.30	27.00	6145-99-110-8625
7-2-4C	4	0.45	4.10	4.60	32.00	6145-99-110-8628
7-2-6C	6	0.55	5.30	5.90	55.00	6145-99-110-8631
7-2-12C	12	0.55	6.60	7.20	83.00	6145-99-110-8634
7-2-18C	18	0.65	7.90	8.50	110.00	6145-99-110-8637
7-2-25C	25	0.65	9.20	9.80	150.00	6145-99-110-8640
7-2-36C	36	0.75	10.40	11.20	200.00	6145-99-110-8643
7-2-50C	50	0.75	12.20	13.00	270.00	6145-99-110-8646
Individually Screened						
7-2-2D	2	0.45	4.00	4.50	22.00	6145-99-110-8623
7-2-3D	3	0.45	4.30	4.80	29.00	6145-99-110-8626
7-2-4D	4	0.55	4.80	5.40	40.00	6145-99-110-8629
7-2-6D	6	0.55	5.80	6.40	58.00	6145-99-110-8632
7-2-12D	12	0.65	7.90	8.50	110.00	6145-99-110-8635
7-2-18D	18	0.65	9.30	9.90	150.00	6145-99-110-8638
7-2-25D	25	0.75	11.30	12.10	210.00	6145-99-110-8641
7-2-36D	36	0.75	12.70	13.50	290.00	6145-99-110-8644
7-2-50D	50	0.90	15.10	16.10	410.00	6145-99-110-8647

Also available conductor 16/0.2 and 37/0.315 – refer to datasheet PVC MULTICORE CABLE Pt.5

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PVC MULTICORE CABLE Pt.4

MANUFACTURED TO DEF 61-12 Pt 4

Conductor Details/ Cable Type		
7/0.1mm (0.055mm ²) Nominal Conductor Dia. 0.3mm Maximum Conductor Resistance of Completed Cable 384 ohms/km @ 20°C		
Unscreened (7-1-*A)	Collectively Screened (7-1-*C)	Individually Screened (7-1-*D)

TYPE	No. Of Cores	Nom. Radial Thickness of Sheath mm	Min. O/Dia. mm	Max. O/Dia. mm	Approx Weight kg / km	Nato Stock No.
Unscreened						
7-1-2A	2	0.40	2.0	2.5	5.4	6145-99-110-8582
7-1-3A	3	0.40	2.1	2.6	6.5	6145-99-110-8585
7-1-4A	4	0.40	2.3	2.8	8.0	6145-99-110-8588
7-1-6A	6	0.45	2.8	3.3	12.0	6145-99-110-8591
7-1-12A	12	0.45	3.6	4.1	19.0	6145-99-110-8594
7-1-18A	18	0.45	4.2	4.7	/	6145-99-110-8597
7-1-25A	25	0.55	5.2	5.8	/	6145-99-110-8600
7-1-36A	36	0.55	5.8	6.4	/	6145-99-110-8603
7-1-50A	50	0.55	6.7	7.3	/	6145-99-110-8606
Collectively Screened						
7-1-2C	2	0.40	1.7	2.2	13	6145-99-110-8583
7-1-3C	3	0.45	1.8	2.3	15	6145-99-110-8586
7-1-4C	4	0.45	2.0	2.5	17	6145-99-110-8589
7-1-6C	6	0.45	2.4	2.9	21	6145-99-110-8592
7-1-12C	12	0.45	3.3	3.8	31	6145-99-110-8595
7-1-18C	18	0.55	4.2	4.7	50	6145-99-110-8598
7-1-25C	25	0.55	4.8	5.3	62	6145-99-110-8601
7-1-36C	36	0.55	5.5	6.0	79	6145-99-110-8604
7-1-50C	50	0.65	6.5	7.1	100	6145-99-110-8607
Individually Screened						
7-1-2D	2	0.45	2.8	3.3	11	6145-99-110-8584
7-1-3D	3	0.45	3.0	3.5	14	6145-99-110-8587
7-1-4D	4	0.45	3.3	3.8	17	6145-99-110-8590
7-1-6D	6	0.45	3.9	4.4	24	6145-99-110-8593
7-1-12D	12	0.55	5.3	5.9	43	6145-99-110-8596
7-1-18D	18	0.55	6.2	6.8	61	6145-99-110-8599
7-1-25D	25	0.65	7.6	8.2	83	6145-99-110-8602
7-1-36D	36	0.65	8.5	9.1	/	6145-99-110-8605
7-1-50D	50	0.65	9.8	10.6	150	6145-99-110-8608

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