

# Defence Standard 770.1 Type C Technical Data Sheet



Rated Voltage	Temperature Range	Minimum Bending Radius
250V	0°C to +70°C	7.5 x cable OD

<u>Conductor:</u>	Tinned Copper, 7/0.1mm
<u>Insulation:</u>	PVC (Polyvinylchloride)
<u>Overall Tape:</u>	Polyester
<u>Overall Screen:</u>	Tinned Copper Wire Braid
<u>Overall Sheath Material:</u>	PVC (Polyvinylchloride)
<u>Outer Sheath Colour:</u>	Black
<u>Standards:</u>	RoHS2 Complaint CE Compliant LVD (2006/95/EC) Generally to Def Stan 16-12 part 4

Size	No of Cores	Overall Diameter (mm)	Weight (kg/km)
7-1-2C	2	3.0	9
7-1-3C	3	3.2	11
7-1-4C	4	3.4	19
7-1-6C	6	3.8	22
7-1-8C	8	4.2	25
7-1-9C	9	4.4	27
7-1-12C	12	4.6	44
7-1-15C	15	5.4	46
7-1-18C	18	5.8	54
7-1-25C	25	6.6	64
7-1-36C	36	7.2	83
7-1-50C	50	8.3	114

<u>Electrical Characteristics</u>	
<u>Nominal Conductor Resistance:</u>	<384 Ω /km
<u>Insulation Resistance:</u>	>200 MΩ.M
<u>Test Voltage:</u>	2.5kV for 5 minutes
<u>Current Rating:</u>	0.25 amps

### Insulation identification

1	Red	8	Violet	15	Yellow/red	22	Orange/blue	29	Grey/green	36	White/violet
2	Blue	9	Orange	16	White/red	23	Green/blue	30	Yellow/brown		
3	Green	10	Pink	17	Red/black	24	Grey/blue	31	White/brown		
4	Yellow	11	Turquoise	18	Red/brown	25	Yellow/green	32	Brown/black		
5	White	12	Grey	19	Yellow/blue	26	White/green	33	Grey/brown		
6	Black	13	Red/blue	20	White/blue	27	Green/black	34	Yellow/violet		
7	Brown	14	Green/ red	21	Blue/black	28	Orange/green	35	Violet/black		

Note: Base colours are identified by capital letters

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