

RoHS  
Compliant



## Application

These Multi-Core flexible cables are designed for high density wiring between components within instruments and electronic equipment. They are extensively used in aircraft, process control systems, computers, data processors, military vehicles and military equipment.

## Standards

Defence Standard 61-12 Part 4

## Characteristics

### Voltage Rating

Cores with 7/0.1 mm conductors:  
250V r.m.s. at frequencies up to 1.6 kHz

Cores with 7/0.2 mm conductors:  
440V r.m.s. at frequencies up to 1.6 kHz

### Maximum Resistance of Conductor at 20°C

7/0.1 mm: 384Ω/km

7/0.2 mm: 92Ω/km

### Temperature Rating

Fixed: -30°C to +70°C

Flexed: -15°C to +70°C

### Minimum Bending Radius

Fixed: 7.5 x overall diameter

## Construction

### Conductor

Stranded tinned copper conductor; 0.055mm<sup>2</sup> (7/0.1mm);  
0.22mm<sup>2</sup> (7/0.2mm)

### Insulation

PVC (Polyvinyl Chloride)

### Screen

TCWB (Tinned Copper Wire Braid)

### Sheath

PVC (Polyvinyl Chloride)Core Identification

### Sheath Colour

Black, Grey

# Defence Standard 61-12 Part 4 Multicore Cables

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## Specifications

Circular Conductor, PVC Insulated, PVC Sheathed, Def Stan 61/12 Part 4

Part Number	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002312	Black	25 (m)	7-1-2A	2	0.35	2.3	5.85
MP002313		100 (m)					
MP002324		25 (m)	7-2-2A	2	0.4	3.4	12.81
MP002325		100 (m)					
MP002314		25 (m)	7-1-3A	3	0.4	2.4	7.03
MP002315		100 (m)					
MP002326		25 (m)	7-2-3A	3	0.4	3.5	15.77
MP002327		100 (m)					
MP002316		25 (m)	7-1-4A	4	0.4	2.6	8.46
MP002317		100 (m)					
MP002328		25 (m)	7-2-4A	4	0.4	3.8	19.08
MP002329		100 (m)					
MP002318		25 (m)	7-1-6A	6	0.45	3.1	12.26
MP002319		100 (m)					
MP002330		25 (m)	7-2-6A	6	0.45	4.6	29.34
MP002331		100 (m)					
MP002332		25 (m)	7-2-8A	8	0.55	5.4	38.34
MP002333		100 (m)					
MP002320		25 (m)	7-1-9A	9	0.45	3.5	15.74
MP002321		100 (m)					
MP002322		25 (m)	7-1-12A	12	0.45	3.9	19.25
MP002323		100 (m)					
MP002334		25 (m)	7-2-12A	12	0.55	6	52.22
MP002335		100 (m)					
MP002336		25 (m)	7-2-18A	18	0.65	7.5	80
MP002337		100 (m)					
MP002338		25 (m)	7-2-20A	20	0.8	8.2	92
MP002339		100 (m)					
MP002340		25 (m)	7-2-25A	25	0.8	8.7	103.22
MP002341		100 (m)					

# Defence Standard

## 61-12 Part 4 Multicore Cables

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Circular Conductor, PVC Insulated, Collectively Screened Cores, PVC Sheathed, Def Stan 61/12 Part 4

Part Number	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002342	Black	25 (m)	7-1-2C	2	0.4	2.8	10.67
MP002343		100 (m)					
MP002358		25 (m)	7-2-2C	2	0.37	3.4	19.6
MP002359		100 (m)					
MP002344		25 (m)	7-1-3C	3	0.45	3	12.81
MP002345		100 (m)					
MP002360		25 (m)	7-2-3C	3	0.45	4.1	23.89
MP002361		100 (m)					
MP002346		25 (m)	7-1-4C	4	0.45	3.2	14.67
MP002347		100 (m)					
MP002362		25 (m)	7-2-4C	4	0.45	4.4	28.84
MP002363		100 (m)					
MP002364		500 (m)					
MP002348		25 (m)	7-1-6C	6	0.45	3.6	20.29
MP002349		100 (m)					
MP002365		25 (m)	7-2-6C	6	0.6	5.6	43.25
MP002366		100 (m)					
MP002367		25 (m)	7-2-8C	8	0.6	6.1	51
MP002368		100 (m)					
MP002350		25 (m)	7-1-9C	9	0.45	4	22.8
MP002351		100 (m)					
MP002369		25 (m)	7-2-10C	10	0.6	6.4	58.7
MP002370		100 (m)					
MP002352		25 (m)	7-1-12C	12	0.5	4.4	27.57
MP002353		100 (m)					
MP002371		25 (m)	7-2-12C	12	0.6	6.9	67.63
MP002372		100 (m)					
MP002354		25 (m)	7-1-15C	15	0.55	5	33.75
MP002355		100 (m)					
MP002373		25 (m)	7-2-15C	15	0.75	7.7	83.59
MP002374		100 (m)					
MP002375		25 (m)	7-2-18C	18	0.8	8.3	99.5
MP002376		100 (m)					
MP002377		Black	25 (m)	7-2-20C	20	1	8.9
MP002378	100 (m)						
MP002356	25 (m)		7-1-25C	25	0.55	6.3	48.89
MP002357	100 (m)						

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# Defence Standard

## 61-12 Part 4 Multicore Cables

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Part Number	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002379	Black	25 (m)	7-2-25C	25	1	9.5	128.91
MP002380		100 (m)					
MP002288	Grey	25 (m)	7-1-4C	4	0.45	3.2	14.67
MP002289		100 (m)					
MP002295		25 (m)	7-2-4C	4	0.45	4.4	28.84
MP002296		100 (m)					
MP002290		25 (m)	7-1-6C	6	0.45	3.6	20.29
MP002291		100 (m)					
MP002297		25 (m)	7-2-8C	8	0.6	6.1	51
MP002298		100 (m)					
MP002292		25 (m)	7-1-9C	9	0.45	4	22.8
MP002293		100 (m)					
MP002299		25 (m)	7-2-12C	12	0.6	6.9	67.63
MP002300		100 (m)					
MP002294		25 (m)	7-1-15C	15	0.55	5	33.75
MP002301		25 (m)	7-2-20C	20	1	8.9	111.29
MP002302		100 (m)					
MP002303		25 (m)	7-2-36C	36		10.8	172.73

### Core Identification

No. of Cores	Core Identification	No. of Cores	Core Identification	No. of Cores	Core Identification
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

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