



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; 0.055mm² (7/0.1mm);

0.22mm² (7/0.2mm)

Insulation

PVC (Polyvinyl Chloride)

Braid

Material	Tinned Copper braid		
Nom. O.D.	0.1mm×16mm×5mm	Up	+0.008mm
		Down	-0.008mm

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)Core Identification

Sheath Colour

Black, Grey

Defence Standard 61-12 Part 4 Multicore Cables

multicomp PRO

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

multicomp PRO

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	111.29
MP002378		100 (m)					
MP002356		25 (m)	7-1-25C	25	0.55	6.3	48.89
MP002357		100 (m)					

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 Element14.com/multicomp-pro

multicomp PRO

Defence Standard

61-12 Part 4 Multicore Cables

multicomp PRO

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	1	10.8	172.73
MP005989		Black					

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 Element14.com/multicomp-pro

multicomp PRO