

Defence Standard Multicore Cables - Class 5

multicomp^{PRO}

RoHS
Compliant



APPLICATION

These Multi-Core flexible cables are designed for high density wiring between components and 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 5

Characteristics

Voltage Rating

440V r.m.s. at frequencies up to 1.6kHz

Maximum Resistance of Conductor at 20°C

16/0.2 : 40.1Ω/km

Current Carrying Capacity

2.5 Amps

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

Class 5 flexible tinned copper conductor; 0.5mm² (16/0.2mm)

Insulation

PVC (Polyvinyl Chloride)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

Black, Grey

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Dimensions

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

Eland Part No.	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002381	Black	25	16-2-2A	2	0.8	5.5	31.97
MP002382		100					
MP002383		25	16-2-3A	3	0.8	5.8	39.59
MP002384		100					
MP002385		25	16-2-4A	4	0.85	6.3	49.49
MP002386		100					
MP002387		25	16-2-6A	6	0.85	7.3	69.9
MP002388		100					
MP002389		25	16-2-8A	8	1	8.5	96.2
MP002390		100					
MP002391		25	16-2-12A	12	1.1	9.5	125.6
MP002392		100					
MP002393		25	16-2-18A	18	1.1	11	178.2
MP002394		100					
MP002395		25	16-2-25A	25	1.2	13.1	244
MP002396		100					

Circular Conductor, PVC Insulated, Collectively Screened Cores, PVC Sheathed, Def Stan 61/12 Part 5

Eland Part No.	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002397	Black	25	16-2-2C	2	1	6.5	48.58
MP002398		100					
MP002399		25	16-2-3C	3	1	6.8	55.24
MP002400		100					
MP002401		25	16-2-4C	4	1	7.3	65.24
MP002402		100					
MP002403		25	16-2-6C	6	1	8.3	88.84
MP002404		100					
MP002405		25	16-2-8C	8	1.2	8.8	103.22
MP002406		100					
MP002407		25	16-2-12C	12	1.2	10.5	138.66
MP002408		100					
MP002409		25	16-2-18C	18	1.2	12	193.47

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Eland Part No.	Colour	Length	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MP002304	Grey	25	16-2-4C	4	1	7.3	65.24
MP002305		100					
MP002306		25	16-2-6C	6	1	8.3	88.84
MP002307		100					
MP002308		25	16-2-12C	12	1.2	10.5	138.66
MP002309		100					
MP002310		25	16-2-18C	18	1.2	12	193.47
MP002311		100					

Core Identification

No. of Cores	Core Identification	No. of Cores	Core Identification	No. of Cores	Core Identification
1	Red	11	Turquoise	21	Blue/Black
2	Blue	12	Grey	22	Orange/Blue
3	Green	13	Red/Blue	23	Green/Blue
4	Yellow	14	Green/Red	24	Grey/Blue
5	White	15	Yellow/Red	25	Yellow/Green
6	Black	16	White/Red		
7	Brown	17	Red/Black		
8	Violet	18	Red/Brown		
9	Orange	19	Yellow/Blue		
10	Pink	20	White/Blue		

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