

# Unscreened Multicore Cable to Defence Standard 61-12 Part 5 16-2-\*A

# multicomp<sup>PRO</sup>

RoHS  
Compliant



## Description

This unscreened multicore cable is manufactured to Defence Standard 61-12 Part 5 and is designed for high density wiring between components and within instruments and electronic equipment. It is not to be used for the direct connection to Mains Power Supplies.

## Reference Standard

Multicore Cable to DEF. STAN. 61-12 part 5. 0.5mm<sup>2</sup> (16/0.2mm) Conductors, Unscreened with Black PVC Jacket

## Cable Construction

### Conductor

Electrolytic Annealed Tinned Copper Conductor 16/0.2mm

Nominal Core Resistance @ 20°C : 40.1Ω/km

Current Rating (per core) : 2.5 Amp

### Insulation and Conductors

Core insulation of PVC to BS676 type 2 Nom. Radial Thickness 0.45mm

Insulation Resistance @ 20°C : Min. 200MΩ/km

Nominal Overall Ø of Conductor : 1.83mm

Conductors Colour Coded as per DEF. STAN. 61-12 Part 5

Test Voltage (1 minute, core to core) : 2000V

### Wrap

Cores wrapped with Plastic Tape

### Sheath

Black PVC jacket to BS6746 Type 6

Temperature Range : 0°C to +70°C

Nominal Voltage : 440V AC rms @ 1600Hz

Minimum Bending Radius : 6 × cable Ø

## Insulation Colours table

Core Number	Colour
1	Red
2	Blue
3	Green
4	Yellow
5	White
6	Black
7	Brown
8	Violet
9	Orange

Core Number	Colour
10	Pink
11	Turquoise
12	Grey
13	Red/Blue
14	Green/Red
15	Yellow/Red
16	White/Red
17	Red/Black
18	Red/Brown

Core Number	Colour
19	Yellow/Blue
20	White/Blue
21	Blue/Black
22	Orange/Blue
23	Green/Blue
24	Grey/Blue
25	Yellow/Green

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

# multicomp<sup>PRO</sup>

# Unscreened Multicore Cable to Defence Standard 61-12 Part 5 16-2-\*A



## Part Number Table

Description	No. of Cores	Diameter over Cores (mm)	Jacket Radial Thickness (mm)	Jacket Diameter (mm)	Reel Length (m)	Part Number
Cable, Unscreened, DEF 16-2-2A	2	3.7	0.9	5.5	25	PP000332
					100	PP000333
Cable, Unscreened, DEF 16-2-3A	3	3.9		5.8	25	PP000334
					100	PP000335
Cable, Unscreened, DEF 16-2-4A	4	4.4		6.3	25	PP000336
					100	PP000337
Cable, Unscreened, DEF 16-2-6A	6	5.5		7.3	25	PP000338
					100	PP000339
Cable, Unscreened, DEF 16-2-8A	8	6.3		8.1	25	PP000340
					100	PP000341
Cable, Unscreened, DEF 16-2-12A	12	7.6		9.5	25	PP000342
					100	PP000343
Cable, Unscreened, DEF 16-2-18A	18	9.2		11	25	PP000344
					100	PP000345
Cable, Unscreened, DEF 16-2-25A	25	11		13.1	25	PP000346
					100	PP000347

**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

