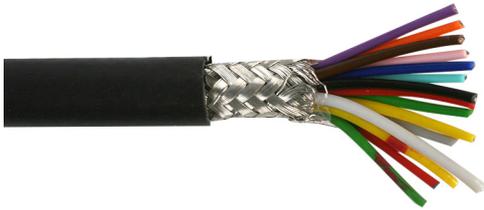# Defence Standard
61-12 Part 4 Multicore Cable

multicompPRO

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.

Characteristics

Voltage Rating

Cores with 7/0.1mm conductors:
250Vᴿᴹˢ at frequencies up to 1.6kHz
Cores with 7/0.2 mm conductors:
440Vᴿᴹˢ at frequencies up to 1.6kHz

Maximum Resistance of Conductor at 20°C

7/0.1mm: 384Ω/km
7/0.2mm: 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)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

Black

Standards

Defence Standard 61-12 Part 4

The Cable Lab
AN ISO/IEC 17025 AND IECEE CBTL Accredited Facility

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.

Regulatory Compliance

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicompPRO

Page <1>   02/02/24   V1.0

Defence Standard
61-12 Part 4 Multicore Cable

multicomp PRO

Dimensions

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

Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Overall Diameter Tol. ±0.3mm		Nominal Weight kg/km
			Min.	Max.	
7-1-15C	15	0.55	4.7	5.2	33.75

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

Diagram

Part Number Table

Description	Part Number
Multicore Cable, 7-1-15C, Screened, 15 Core, 30AWG, 0.1mm², 25m	MP002354
Multicore Cable, 7-1-15C, Screened, 15 Core, 30AWG, 0.1mm², 100m	MP002355

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Page <2>   02/02/24   V1.0