

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)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)Core Identification

Sheath Colour

Black, Grey

Defence Standard Multicore Cables - Class 4

multicomp PRO

Specifications

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 |
|----------------|--------|---------|---------------------------|--------------|--------------------------------|-----------------------------|----------------------|
| 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 Multicore Cables - Class 4

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Circular Conductor, PVC Insulated, Collectively Screened Cores, 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 |
|----------------|--------|---------|---------------------------|--------------|--------------------------------|-----------------------------|----------------------|
| 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) | | | | | |

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Defence Standard Multicore Cables - Class 4

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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 |
|----------------|--------|---------|---------------------------|--------------|--------------------------------|-----------------------------|----------------------|
| 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 | 36 | 1 | 10.8 | 172.73 |
| MP002302 | | 100 (m) | | | | | |
| MP002303 | | 25 (m) | | | | | |

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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