

TECHNICAL DATA SHEET

PRO-ELEC

RoHS
Compliant

DEFENCE STANDARD 61-12 MULTICORE CABLES, PARTS 4 & 5

MODELS: PELB0632-PELB0700

7-2-XA, 7-2-XC SERIES (PART 4)
16-2-XA, 16-2-XC SERIES (PART 5)

APPLICATION

Multicore flexible cables designed for high density wiring between components within instruments and electronic equipment. Extensively used in aircraft, process control systems, computers, data processors, military vehicles and military equipment.



STANDARDS

Defence Standard 61-12, Part 4 (7-2-xA, 7-2-xC)
Defence Standard 61-12, Part 5 (16-2-xA, 16-2-xC)

CHARACTERISTICS

Voltage Rating

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

Maximum Resistance of Conductor at 20°C

7/0.2mm conductors: 92Ω/km (7-2-xA, 7-2-xC)
16/0.2mm conductors: 40.1Ω/km (16-2-xA, 16-2-xC)

Current Carrying Capacity

7/0.2mm conductors: 1A (7-2-xA, 7-2-xC)
16/0.2mm conductors: 2.5A (16-2-xA, 16-2-xC)

Temperature Rating

Fixed: -30°C to + 70°C
Flexed: -15°C to +70°C

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Minimum Bending Radius

Fixed: 7.5x overall diameter

CONSTRUCTION

Conductors

Stranded tinned copper conductor: 0.2mm²

Insulation

PVC (Polyvinyl Chloride)

Screen (7-2-xC, 16-2-xC)

TCWB (Tinned Copper Wire Braid)

Jacket

PVC (Polyvinyl Chloride)

Jacket Colour

Black

Cable Type	No. of Cores	Overall Dia.	Length	Model
Unscreened				
7-2-2A	2	3.35mm	25m	PELB0632
			100m	PELB0633
7-2-3A	3	3.55mm	25m	PELB0634
			100m	PELB0635
7-2-4A	4	3.85mm	25m	PELB0636
			100m	PELB0637
7-2-6A	6	4.55mm	25m	PELB0638
			100m	PELB0639
7-2-8A	8	5.50mm	25m	PELB0640
			100m	PELB0641
7-2-12A	12	6.10mm	25m	PELB0642
			100m	PELB0643
7-2-18A	18	7.40mm	25m	PELB0644
			100m	PELB0645
16-2-2A	2	5.50mm	25m	PELB0672
			100m	PELB0673

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Cable Type	No. of Cores	Overall Dia.	Length	Model
16-2-3A	3	5.80mm	25m	PELB0674
			100m	PELB0675
16-2-4A	4	6.30mm	25m	PELB0676
			100m	PELB0677
16-2-6A	6	7.30mm	25m	PELB0678
			100m	PELB0679
16-2-8A	8	8.50mm	25m	PELB0680
			100m	PELB0681
16-2-12A	12	9.50mm	25m	PELB0682
			100m	PELB0683
Screened				
7-2-2C	2	3.85mm	25m	PELB0650
			100m	PELB0651
7-2-3C	3	3.95mm	25m	PELB0652
			100m	PELB0653
7-2-4C	4	4.35mm	25m	PELB0654
			100m	PELB0655
			500m	PELB0700
7-2-6C	6	5.60mm	25m	PELB0656
			100m	PELB0657
7-2-8C	8	6.10mm	25m	PELB0658
			100m	PELB0659
7-2-10C	10	6.40mm	25m	PELB0660
			100m	PELB0661
7-2-12C	12	6.90mm	25m	PELB0662
			100m	PELB0663
7-2-15C	15	8.00mm	25m	PELB0664
			100m	PELB0665
7-2-18C	18	8.20mm	25m	PELB0666
			100m	PELB0667
16-2-2C	2	6.50mm	25m	PELB0688
			100m	PELB0689
16-2-3C	3	6.80mm	25m	PELB0690
			100m	PELB0691
16-2-4C	4	7.30mm	25m	PELB0692
			100m	PELB0693
16-2-6C	6	8.30mm	25m	PELB0694

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Cable Type	No. of Cores	Overall Dia.	Length	Model
16-2-6C	6	8.30mm	100m	PELB0695
16-2-8C	8	8.90mm	25m	PELB0696
			100m	PELB0697
16-2-12C	12	10.60mm	25m	PELB0698
			100m	PELB0699

CORE IDENTIFICATION

No. of Cores	Core ID
2	Blue
3	Green
4	Yellow
6	Black
8	Violet
10	Pink
12	Grey
15	Yellow/Red
18	Red/Brown

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