



DIFFERENT TYPES OF ELECTRONIC AND ELECTRICAL CABLES, CONNECTORS, SOCKETS, TERMINATIONS MODEL-ELECPARTS100

This trainer has been designed with a view to understand different types of Electronic and Electrical Cables, Connectors, Sockets, Terminations used in IOT Electronics.



SPECIFICATIONS

(1) Hardware

Following Parts are assembled on Single PCB of size - 18 Inch x 15 Inch

1. Single Core Hookup Wire
2. 7/36 Multi Strand Wire
3. 14/36 Multi Strand Wire
4. Shielded Wire Single Core
5. Multicore 5 Core Wire
6. Flat Ribbon Wire 9 Core – 7/36
7. Twisted Pair wire – 2 Core
8. EHT Cable
9. Mains Cord – 3 Wire
10. Mono EP
11. RJ11 Telephone Socket
12. 4mm Banana Socket
13. RCA Socket
14. BERG Socket
15. 14 pin IC Socket
16. PS/2 Socket
17. TNC Socket
18. RJ45 LAN Socket
19. Mono EP 2mm Jack
20. Stereo EP 2mm Jack

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Dealer:-

21. 2mm Banana Jack
22. BNC Connector
23. BERG Connector
24. 2 pins Mains Power Connector
25. DC Power Plug
26. USB Connector
27. BNC Terminator

(2) Accessories

1. Practical Manual - Printed + Soft Copy : 1 No.
2. E-Books for Subject : 10 Nos. in PDF Format

(3) Cabinet and PCB

The complete circuit diagram is screen printed on component side of the PCB with circuit and Parts at the same place. The PCB with components on front side is fitted in elegant wooden box having lock and key arrangement. The acrylic cover is fitted on PCB to safeguard parts. It works on 230 V AC Supply.

EXPERIMENTS

1. To understand theory and use of Single Core Hookup Wire
2. To understand theory and use of Single 7/36 Multi Strand Wire
3. To understand theory and use of Single 14/36 Multi Strand Wire
4. To understand theory and use of Single Shielded Wire Single Core
5. To understand theory and use of Single Multicore 5 Core Wire
6. To understand theory and use of Single Flat Ribbon Wire 9 Core – 7/36
7. To understand theory and use of Single Twisted Pair wire – 2 Core
8. To understand theory and use of Single EHT Cable
9. To understand theory and use of Single Mains Cord – 3 Wire
10. To understand theory and use of Single Mono EP
11. To understand theory and use of Single RJ11 Telephone Socket
12. To understand theory and use of Single 4mm Banana Socket
13. To understand theory and use of Single RCA Socket
14. To understand theory and use of Single BERG Socket
15. To understand theory and use of Single 14 pin IC Socket
16. To understand theory and use of Single PS/2 Socket
17. To understand theory and use of Single TNC Socket
18. To understand theory and use of Single RJ45 LAN Socket
19. To understand theory and use of Single Mono EP 2mm Jack
20. To understand theory and use of Single Stereo EP 2mm Jack
21. To understand theory and use of Single 2mm Banana Jack
22. To understand theory and use of Single BNC Connector
23. To understand theory and use of Single BERG Connector
24. To understand theory and use of Single 2 pins Mains Power Connector
25. To understand theory and use of Single DC Power Plug
26. To understand theory and use of Single USB Connector
27. To understand theory and use of Single BNC Terminator